

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
213/629-1403 805/259-2241
Telex 651436

Whittaker

April 28, 1986

Lily Wong/T-2-4
United States Environmental
Protection Agency
Region 9
215 Fremont Street
San Francisco, CA. 94105

Dear Lily:

The attached Bermite "Contingency Plan" is forwarded to you for your review and action. All previous issues are obsolete and should be deleted from your files.

Please acknowledge receipt by returning a signed copy of the receipt form, enclosed, in the envelope provided.

Should you have any questions, please do not hesitate to call me at A/C (805) 259-2241, ext. 326.

Sincerely,



Thomas J. Bloom
Director Environmental Affairs

TJB:vt

Enclosures

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

I ACKNOWLEDGE RECEIPT OF BERMITE'S DIVISION WHITTAKER CORPORATION
"CONTINGENCY PLAN" DATED FEBRUARY 1986.

SIGNATURE Lily Wong
ORGANIZATION US. EPA
DATE April 30, 1986

#5

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

August 2, 1985

FEDERAL EXPRESS

Mr. Barry Cofer (T-3-2)
United States Environmental
Protection Agency
Region IX
215 Fremont Street
San Francisco, California 91405

Re: Inspection of Bermite Division of
Whittaker Corporation, Saugus Facility;
Request for Additional Information

Dear Mr. Cofer:

This letter contains the additional information and documentation you requested during the inspection of Bermite's facility located at 22116 West Soledad Canyon Road, Saugus, California 91350 by the EPA and the California Department of Health Services ("DHS") on June 25, 1985. Where certain information or documents are not currently available but are in the process of being prepared, we have indicated the date by which we expect to submit the information or documents to you.

After you left the facility following the inspection, and after we reviewed our notes, we were unclear about some of the specific information and documents you needed. Our attorney, Steve Jones, has spoken with you several times in the last few weeks to try to make sure we were giving you what you wanted. Based upon his conversations with you and upon our recollection of the issues you raised during the inspection, we believe that we have provided (or told you when we will provide) what you need. However, please feel free to call me if you need more information or if additional materials are required.

Mr. Barry Cofer
United States Environmental
Protection Agency
August 2, 1985
Page 2

1. You requested that we submit a copy of Bermite's waste analysis plan. A copy of the plan prepared by Bermite and previously submitted to DHS is enclosed as Exhibit "A". Bermite is preparing a revised waste analysis plan in compliance with 40 C.F.R. 265.13 and Article III of Bermite's Interim Status Document (No. CAD 064573108). The updated plan will reflect recent changes in the facility's waste streams, resulting primarily from the startup of flare production operations within the past few months, as well as the closure of the two surface impoundments and the related construction of the above ground storage tank facility. It is anticipated that this updated plan will be completed and submitted to EPA by August 28, 1985. (This date accounts for some delay in the plan's preparation due to planned August vacation schedules.)

2. You requested additional information regarding a groundwater quality assessment proposed to be conducted by Walt Bell. (The reference to "Walt Bill" in our notes, and I believe yours, is incorrect.) Walt Bell was a Regional Vice President with International Engineering Company, Inc. in San Francisco ("IEC"), which submitted a proposal to Bermite dated September 1, 1982, for comprehensive site characterization and engineering services to help Bermite comply with applicable RCRA requirements. Bermite's management ultimately decided not to accept the IEC proposal, instead deciding to utilize company personnel to monitor and achieve compliance with the RCRA requirements. To my knowledge, Bermite has had no further contact with IEC.

3. You inquired whether Bermite could produce a certification by an independent registered professional engineer for the closure of its two lined surface impoundments. We have reviewed our files and spoken with the Bermite personnel (who have since left Bermite's employ) responsible for the closure, as well as the Whittaker personnel who oversaw it, and it appears that no certification was obtained.

Mr. Barry Cofer
United States Environmental
Protection Agency
August 2, 1985
Page 3

In an effort to determine what happened at the time of the closure, we have contacted and discussed the matter with the Bermite and Whittaker personnel involved. They recall that they talked and met with representatives from EPA, DHS and the Regional Water Quality Control Board, Los Angeles Region ("RWQCB"), on a number of occasions in connection with both the closure of the lined surface impoundments and the construction of the above ground storage tanks which replaced them. The representatives of these agencies were kept informed of Bermite's conduct of the closure and new construction, and it was Bermite's understanding at the time that these representatives approved of the procedures followed by Bermite.

Bermite removed all of the waste and waste residues from the impoundments, manifested and transported these wastes for disposal to the Chemical Waste Management site located at Kettleman Hills, and sampled the soil for possible contamination. Bermite and Whittaker personnel specifically recall that at one of the meetings with DHS and the RWQCB, held on July 12, 1983, John Lewis of the RWQCB stated (in the course of a conversation with these personnel and the DHS representative, Nestor Acedera) that certification by an independent registered professional engineer was not necessary. The Bermite and Whittaker personnel understood this to mean that the procedures followed by them were adequate and that independent certification was not required. Relying on this advice and understanding, no certification was obtained. These same personnel were later informed by EPA, during a meeting held in San Francisco regarding closure of the impoundments and construction of the tanks, that EPA was satisfied with Bermite's procedures and plans if the RWQCB and DHS were satisfied. No one recalls anyone raising any concerns about the lack of an independent certification. Believing that they were complying with the requirements of these various agencies, Bermite proceeded to close the impoundments and construct the storage tanks.

Bermite and Whittaker personnel believe they made every effort to work with the agencies to close the impoundments and construct the new tanks in accordance with

Mr. Barry Cofer
United States Environmental
Protection Agency
August 2, 1985
Page 4

the requirements and wishes of those agencies. The drawings for the lined impoundments show that they were sophisticated and secure, exceeding the design and construction requirements applicable at the time they were installed. Bermite voluntarily undertook the closure of these impoundments and constructed above-ground storage tanks, long before it would have been required to, because the company believed it was the environmentally sound and appropriate thing to do. In so doing, it tried to work with the agencies and follow their lead in completing this voluntary project. Based upon the company's many meetings and conversations with agency representatives at the time, Bermite understood and believed that it had complied with all that was required of it and more.

4. You requested a copy of the tank inspection log for the period April 26, 1985 through June 26, 1985. A copy of the pages of the log containing the inspectors' observations for these dates is enclosed as Exhibit "B".

The log, commencing April 10, 1985, indicates that condensation resulting from slight seepage was observed around the bolts on the east inspection cover for Tank 2, and that I, as Director of Environmental Affairs, was notified. Our response to this observation, however, is not recorded in these pages of the log. Following the initial observation, we quickly determined that the condensation was minimal and did not pose any danger or threat to the environment or personnel, or require immediate draining of the tank. There was no flow to containment and no soil or other contamination. We held several meetings to assess the scope of the problem and determine how to proceed to resolve it. A program was initiated to test liner and gasket materials, which involved placing various materials in test solutions for periods ranging from 45 to 60 days to determine their durability. As a result of these tests, which were recently completed, Bermite will soon empty the tank and, after appropriate testing, replace the liner and/or gaskets with the material demonstrated to be the most durable.

Mr. Barry Cofer
United States Environmental
Protection Agency
August 2, 1985
Page 5

5. You requested that Bermite submit a revised Part A Application. We are preparing and have almost completed the revised Part A, and will submit it to EPA by August 7, 1985.

6. You requested a list identifying the processes at Bermite and the hazardous waste generated by each. This list is being prepared by Bermite and we will submit it to the EPA by August 7, 1985, with the revised Part A.

7. You requested a description of the actions taken with respect to the possible contamination noted by Jim Jisa at various facilities in a memorandum to Tom Bloom dated October 18, 1984. This memorandum was generated primarily for action planning purposes related to Los Angeles County's underground storage tank registration program. In preparing this memorandum, Mr. Jisa speculated as to the existence of possible contamination at various facilities which had been closed and generally not used for some time. His speculations apparently were based upon his general understanding of the past uses of these facilities, and not upon actual detection or knowledge of contamination. As noted below, his speculations regarding the possible contamination are not supported by the facts as we understand them, and in some cases it is not clear on what bases he made the speculations. Mr. Jisa left the company in early 1985.

I recently performed a visual inspection of the areas noted in Mr. Jisa's memo and, as described in further detail below, found no evidence of contamination. As noted, almost all of the facilities mentioned in Mr. Jisa's memorandum were closed. It is Bermite's practice to run various operations in facilities and, as requirements change (such as when contracts change), the company will close the facilities, reopening them later if needed for new contracts. Each time an operation or facility is closed, the area or building is thoroughly cleaned and decontaminated and all production materials are returned to storage (or other proper disposition is made). Any signs of contamination would have been detected, followed up and taken care of at that time. As of the date of Mr. Jisa's memorandum,

Mr. Barry Cofer
United States Environmental
Protection Agency
August 2, 1985
Page 6

these facilities already had been closed, thoroughly cleaned and decontaminated.

Based upon my inspection of and investigation into the facilities mentioned in Mr. Jisa's memorandum, the current status of each is as follows:

(a) Sump and Cesspool, Building 41: The sump was cleaned, decontaminated and filled over ten years ago. (The date is not known.) It is not evident that there ever was a cesspool in this building or area, but if there was it probably was cleaned and filled in about the same time. (We will attempt to obtain further information about this.) My recent inspection of this area revealed no signs of possible contamination.

(b) Old Azide Area, Holding Tank and Basin: This area was closed, cleaned, and decontaminated upon production being stopped some time ago. (The date is not known.) My recent inspection of this area revealed no signs of possible contamination.

(c) Septic Tank, Building 6: This building was closed some time ago (the date is not known) and disconnected from the tank. The tank was filled and closed. The tank was connected to a sink in the building which, to our knowledge, was used primarily for handwashing, and not for washing or mixing contaminated items. Posted signs clearly prohibited use of the sink for such purposes. Thus, based upon known past uses, it is not likely that the tank would contain any contamination. My recent inspection of the area revealed no signs of possible contamination.

(d) Magazine 14: This area was closed and cleaned some time ago. (The date is not known.) My recent inspection of the area revealed no signs of possible contamination.

(e) Old Dynamite Building: This building was closed, cleaned and decontaminated many years ago. (The date is not known.) My recent inspection of this area revealed no signs of possible contamination.

Mr. Barry Cofer
United States Environmental
Protection Agency
August 2, 1985
Page 7

(f) Sump, Building 59: This area has been inspected regularly on a number of occasions, and no possible contamination has been found. This sump was connected to a regular sink and shower, which to our knowledge would not have been used to wash contaminated material. Thus, based upon known past uses, it is unlikely that there would be any contamination.

(g) Tank, Building 347: This tank was removed and visual inspection upon removal revealed no sign of possible contamination. The tank had not been used for some time and was structurally sound and empty upon removal.

(h) Transfer Basin or Sump, Melt and Pour: This operation was closed some time ago. (The date is not known.) My recent inspection of the area revealed no signs of evident contamination.

Based upon our inspections of these various areas and our investigation into their past uses, there does not appear to be any contamination. Mr. Jisa's speculations, which we believe were based upon his understanding of past uses rather than upon actual observation, appear to have no basis. Upon closure of Bermite's plant, all of the facilities will be removed, thoroughly inspected and decontaminated, as and if necessary. Although you indicated you were not interested in the status of the underground storage tanks mentioned in the memorandum, they have been removed or registered as part of the underground storage tank program run by Los Angeles County.

8. You requested information regarding the date on which Bermite's East Fork Area was last used. This site or area was last used, for detonation training tests, on October 18, 1984.

9. During the inspection you noted four manifests (Nos. 8264545 through 8264549) which did not contain signatures from the receiving facility. As you requested, these signatures have been obtained and are on file. Copies of the completed manifests are enclosed as Exhibit "C". As we discussed, Bermite has improved its review system to

Mr. Barry Cofer
United States Environmental
Protection Agency
August 2, 1985
Page 8

ensure that receiving and disposal facilities properly complete the manifest and return the signed copy in the future.

10. You requested that we forward copies of the transmittal letters by which we mailed our revised contingency plan to local and state agencies. Copies of these letters, with a copy of the revised plan, were forwarded to you several weeks ago.

We hope that these materials satisfy your request for additional information and documentation, and will enable you to complete your review and inspection of our facility. If you have any questions or require further information or documentation, please call me.

Very truly yours,



Thomas J. Bloom
Director Security, Health & Safety,
Bermite Division of Whittaker
Corporation

TJB:wpc
cc: Mr. Douglas B. Moore
Mr. Al Simmons

Waste Analysis Plan

EXHIBIT A

1) Sampling

Sampling will be done at regular intervals based on the usage of the containment ponds.

- a) Every 6 months
- b) Whenever a pond becomes full and requires clean-out
- c) If any problem should arise

2) Phosphorus Pond

This pond shall be analyzed for the following materials - using the listed methods.

- a) Total Residue - Method 208A *
- b) Ph - Method 424 *
- c) Phosphates - Method 425E *
- d) Sulfates - Method 427B *
- e) Copper & Iron - Atomic Absorption **
- f) Total Phosphorus - MIL-P-670A Para. 4.5.6

3) Bldg. 317 Pond

- a) Total Residue - Method 208A *
- b) Ph - Method 424 *
- c) Aluminum - Atomic Absorption **
- d) Lead - Atomic Absorption **
- e) Zirconium - Atomic Absorption **
- f) Perchlorates - Silver Chloride Method ***
- g) Chlorates - Silver Chloride Method ***
- h) Total Carbon
(Organic &
Inorganic) - Carbon Analyzer **
- i) Organic Solvents - Gas Chromatograph **
 - 1) 1-1-1 Trichloroethane
 - 2) Acetone
 - 3) Hexane
 - 4) Methylene Chloride
 - 5) Others

4) References

- * Standard Methods - 14th Edition
- ** Truesdail Labs, Pasadena, CA
- *** Scotts Standard Methods - 5th Edition

Richard Yuss
Bermite Division
Whittaker Corp.
(805)259-2241 - Ext. 268



Wenck Associates, Inc.

Consulting Engineers
(612) 475-0858

August 1, 1986

Mr. A. L. Simmons
Director of Safety and Environmental Affairs
Whittaker Corporation
P. O. Box 708
Richardson, TX 75080

Re: Soil Characterization of the
area near Building 317
Bermite Division, Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California

Dear Mr. Simmons:

As requested, a Soil Characterization Sampling Plan and Report of
Soils Characterization at the referenced facility have been
prepared and are provided herewith.

I am available to answer any questions you may have on these
documents.

Respectfully submitted,

WENCK ASSOCIATES, INC.


Norman C. Wenck, P.E.

NCW/cmck
Enclosure

SOIL CHARACTERIZATION SAMPLING PLAN
AT THE LOCATION OF THE FORMER LINED SURFACE IMPOUNDMENT
NEAR BUILDING 317

Sample Locations

It is proposed that five sample locations be established for the purpose of this sampling program as shown on Figure 1. One station has been designated as Pit BG, which will be for the background sampling and four other sampling stations have been identified. The background sample location is approximately 100 feet from the area of the former impoundment and is an area considered to be clean. Three sampling locations, designated as Pit 1, Pit 2 and Pit 3, are located on each down gradient side of the location of the former impoundment and one location, Pit 4, is beneath the concrete slab at the site of the former surface impoundment. These locations are considered to be adequate to detect any contaminated soil resulting from the former lined surface impoundment.

It is proposed that the samples be taken from pits constructed by a backhoe with the exception of the sample location beneath the concrete slab which will be performed by hand augering. The samples shall be collected from a depth of 10-12 feet below the existing surface. Due to site grading that took place to construct the existing pad, it is estimated that the base of the former liner is at approximate surface elevation of the present topography.

Methods

Sampling and analytical methods will be as specified in Test Methods for Evaluating Solid Wastes SW-846, Second Edition. The samples will be refrigerated to retain volatile organics and analyzed for the following parameters: methylene chloride, isopropyl alcohol, volatile organics contained in Method 8240 as cited in SW-846, arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver.

Report

A report will be prepared summarizing the sampling methods, the analytical results and conclusions.



Wenck Associates, Inc.

August 1, 1986

Consulting Engineers
(612) 475-0858

Mr. A. L. Simmons
Director of Safety and Environmental Affairs
Whittaker Corporation
P. O. Box 708
Richardson, TX 75080

Re: Report of Soils Characterization
at the Location of the Former Lined
Surface Impoundment near Building 317

Dear Mr. Simmons:

As requested, the sampling plan for the soils characterization at the 317 area was implemented by digging backhoe pits or hand augering to a depth of 10 to 12 feet. A backhoe was used to sample because of large boulders and cobbles which made conventional drilling very difficult. The samples were taken from the locations as shown in Figure 1 and were refrigerated during shipment to the laboratory, West Coast Analytical Services, Inc. of Santa Fe Springs, California.

The analytical results are summarized on Table 1 and the laboratory's reports are provided as Enclosure 1.

The results have been compared to the State of California standards to protect groundwater and show levels for most parameters below detection or at very low levels.

These results are consistent with those taken during the closure of the lined surface impoundment in 1983, Enclosure 2.

It is concluded from these results that the closure of the former lined surface impoundment at this site conformed to the requirements of 40 CFR paragraph 265.228.

Respectfully submitted,

WENCK ASSOCIATES, INC.

Norman C. Wenck, P.E.

NCW/cmk

TABLE 1
SUMMARY OF ANALYTICAL RESULTS

All units mg/kg

<u>Parameter</u>	<u>Detection Levels</u>	<u>Pit 1</u>	<u>Pit 2</u>	<u>Pit 3</u>	<u>Pit 4</u>	<u>Background Pit</u>	<u>California Clean-up Standards to Protect Groundwater</u>
Trichloroethene	0.005	ND	0.029	0.450	ND	ND	5
Tetrachloroethene	0.005	ND	ND	0.180	ND	ND	4
Toluene	0.005	0.012	ND	0.028	0.013	ND	100
Ethyl Benzene	0.005	ND	ND	0.010	ND	ND	1,400
Total Xylenes	0.005	ND	ND	0.050	ND	ND	NA
2-Butanone	0.050	0.086	ND	ND	0.130	ND	NA
Acetone	0.050	ND	ND	ND	0.330	ND	NA
Isopropyl Alcohol	0.1	ND	ND	ND	ND	ND	NA
Chromium	1	18	12	12	20	11	500
Arsenic	3	ND	ND	ND	3.5	ND	500
Selenium	10	ND	ND	ND	ND	ND	100
Silver	0.2	ND	ND	ND	5	ND	300
Cadmium	0.4	ND	ND	ND	3.6	ND	100
Barium	0.6	48	31	51	85	43	10,000
Mercury	0.4	ND	ND	ND	ND	ND	20
Lead	0.4	3.4	3.5	4.3	3.8	4.9	500

ND = Not Detected
NA = Not Available

ENCLOSURE 1
RESULTS OF 1986 SOIL SAMPLES
FROM 317 AREA



**WEST COAST
ANALYTICAL
SERVICE, INC.**

ANALYTICAL CHEMISTS

WENCK ASSOCIATES
Bermite Division
22116 W. Soledad Canyon Rd.
Saugus, CA 91350

ATTN: Norm Wenck

June 27, 1986

Job Number: 3322

Page 1 of 1

LABORATORY REPORT

Samples: Five (5) soil samples and four (4) paper cartons
Date Received: 6-20-86
Purchase Order No.: 288

The five soil samples were analyzed for volatile organics by EPA method 8240 (624). The soils were also analyzed for isopropyl alcohol on a Varian 3700 gas chromatograph equipped with a flame ionization detector. The four cartons were extracted by EPA method 1310. The extracts and the five soils were analyzed for eight metals by ICPMS. The results are reported below and in the following data sheets.

Sample	Parts Per Million
	Isopropyl Alcohol
Pit 1	ND<1
Pit 2	ND<1
Pit 3	ND<1
Pit 4	ND<1
EG Pit	ND<1


Joe Bramblett
Laboratory Manager


(FAC) D. J. Northington, Ph.D.
Technical Director

CLIENT Wenck Associates
JOB NUMBER 3322

WCAS

**WEST COAST
ANALYTICAL
SERVICE, INC.**

ANALYTICAL CHEMISTS

Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry

Parts Per Million

	Pit 1	Pit 2	Pit 3	Pit 4	BG Pit	Detection Limit
Chromium	18	12	11	20	11	1
Arsenic	ND	ND	ND	3.5	ND	3
Selenium	ND	ND	ND	ND	ND	10
Silver	ND	ND	ND	5	ND	.2
Cadmium	ND	ND	ND	3.6	ND	.4
Barium	48	31	49	85	43	.6
Mercury	ND	ND	ND	ND	ND	.4
Lead /	5.2	3.4	3.5	38	4.9	.4

ND-Not Detected. The limit of detection is reported above.

WEST DAST ANALYTICAL SERVICE, . . .

CLIENT: WENCK ASSOCIATES
 SAMPLE: PIT 1 @ 12'
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V1
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
 STANDARD ID: VOA278 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 1.04G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
74-87-3	CHLOROMETHANE	ND	30.
74-83-9	BROMOMETHANE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
75-00-3	CHLOROETHANE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
67-64-1	ACETONE	ND	50.
107-02-8	ACROLEIN	ND	50.
107-13-1	ACRYLONITRILE	ND	50.
75-15-0	CARBON DISULFIDE	ND	5.
75-35-4	1,1-DICHLOROETHENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
76-13-1	FREON-TF	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
123-91-1	1,4-DIOXANE	ND	5.
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND	5.
67-66-3	CHLOROFORM	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
78-93-3	2-BUTANONE	86.	50.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
16-23-5	CARBON TETRACHLORIDE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-27-4	BROMODICHLOROMETHANE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
79-01-6	TRICHLOROETHENE	ND	5.
124-48-1	CHLORODIBROMOMETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
71-43-2	BENZENE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
110-75-8	2-CHLOROETHYLVINYLETHER	ND	50.
75-25-2	BROMOFORM	ND	5.
119-78-6	2-HEXANONE	ND	30.
108-10-1	4-METHYL-2-PENTANONE	ND	30.
127-18-4	TETRACHLOROETHENE	ND	5.
108-88-3	TOLUENE	12.	5.

WEST COAST ANALYTICAL SERVICE, C.

CLIENT: WENCK ASSOCIATES
 SAMPLE: PIT 1 @ 12'
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V1
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
 STANDARD ID: VOA278 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 1.04G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
108-90-7	CHLOROBENZENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
100-42-5	STYRENE	ND	5.
95-47-6	TOTAL XYLENES	ND	5.
108-41-8	M-CHLOROTOLUENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.

WEST COAST ANALYTICAL SERVICE, INC.

WEST COAST ANALYTICAL SERVICE, INC.

CLIENT: WENCK ASSOCIATES

SAMPLE: PIT 1 @ 12'

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	FRACTION	CONCENTRATION UG/KG (PPB)
=====		
1 NONE FOUND	VOA	

WEST COAST ANALYTICAL SERVICE, INC.

CLIENT: WENCK ASSOCIATES
 SAMPLE: PIT 2 @ 12'
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V2
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
 STANDARD ID: VOA278 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 0.98G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
74-87-3	CHLOROMETHANE	ND	30.
74-83-9	BROMOMETHANE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
75-00-3	CHLOROETHANE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
67-64-1	ACETONE	ND	50.
107-02-8	ACROLEIN	ND	50.
107-13-1	ACRYLONITRILE	ND	50.
75-15-0	CARBON DISULFIDE	ND	5.
75-35-4	1,1-DICHLOROETHENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
76-13-1	FREON-TF	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
123-91-1	1,4-DIOXANE	ND	5.
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND	5.
67-66-3	CHLOROFORM	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
78-93-3	2-BUTANONE	ND	50.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
16-23-5	CARBON TETRACHLORIDE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-27-4	BROMODICHLOROMETHANE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
79-01-6	TRICHLOROETHENE	29.	5.
124-48-1	CHLORODIBROMOMETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
71-43-2	BENZENE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
110-75-8	2-CHLOROETHYL VINYLETHER	ND	50.
75-25-2	BROMOFORM	ND	5.
119-78-6	2-HEXANONE	ND	30.
108-10-1	4-METHYL-2-PENTANONE	ND	30.
127-18-4	TETRACHLOROETHENE	ND	5.
108-88-3	TOLUENE	ND	5.

WEST JAST ANALYTICAL SERVICE, I. .

CLIENT: WENCK ASSOCIATES
 SAMPLE: PIT 2 @ 12'
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V2
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
 STANDARD ID: VOA278 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 0.98G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
108-90-7	CHLOROBENZENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
100-42-5	STYRENE	ND	5.
95-47-6	TOTAL XYLENES	ND	5.
108-41-8	M-CHLOROTOLUENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.

WEST DAST ANALYTICAL SERVICE,)

CLIENT: WENCK ASSOCIATES
SAMPLE: PIT 2 @ 12'

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	FRACTION	CONCENTRATION UG/KG (PPB)
=====		
1 NONE FOUND	VOA	

WEST GAST ANALYTICAL SERVICE, I.C.

CLIENT: WENCK ASSOCIATES
 SAMPLE: PIT 4 @ 10'
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V5
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
 STANDARD ID: VDA278 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 1.00G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
74-87-3	CHLOROMETHANE	ND	30.
74-83-9	BROMOMETHANE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
75-00-3	CHLOROETHANE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
67-64-1	ACETONE	330.	50.
107-02-8	ACROLEIN	ND	50.
107-13-1	ACRYLONITRILE	ND	50.
75-15-0	CARBON DISULFIDE	ND	5.
75-35-4	1,1-DICHLOROETHENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
76-13-1	FREON-TF	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
123-91-1	1,4-DIOXANE	ND	5.
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND	5.
67-66-3	CHLOROFORM	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
78-93-3	2-BUTANONE	130.	50.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
16-23-5	CARBON TETRACHLORIDE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-27-4	BROMODICHLOROMETHANE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
79-01-6	TRICHLOROETHENE	ND	5.
124-48-1	CHLORODIBROMOMETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
71-43-2	BENZENE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
110-75-8	2-CHLOROETHYL VINYLETHER	ND	50.
75-25-2	BROMOFORM	ND	5.
119-78-6	2-HEXANONE	ND	30.
108-10-1	4-METHYL-2-PENTANONE	ND	30.
127-18-4	TETRACHLOROETHENE	ND	5.
108-88-3	TOLUENE	13.	5.

WEST OAST ANALYTICAL SERVICE, . . .

CLIENT: WENCK ASSOCIATES
SAMPLE: PIT 4 @ 10'
ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V5
LEVEL: LOW MATRIX: SOIL
DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
STANDARD ID: V0A278 INSTRUMENT ID: 5100
SAMPLE AMOUNT: 1.00G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
108-90-7	CHLOROBENZENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
100-42-5	STYRENE	ND	5.
95-47-6	TOTAL XYLENES	ND	5.
108-41-8	M-CHLOROTOLUENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.

WEST GAST ANALYTICAL SERVICE, ILL.

CLIENT: WENCK ASSOCIATES
SAMPLE: PIT 4 @ 10'

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	FRACTION	CONCENTRATION UG/KG (PPB)
=====		
1 NONE FOUND	VOA	

WEST DAST ANALYTICAL SERVICE, . . .

CLIENT: WENCK ASSOCIATES
 SAMPLE: BG-PIT 10'
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V6
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
 STANDARD ID: VOA278 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 1.01G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
74-87-3	CHLOROMETHANE	ND	30.
74-83-9	BROMOMETHANE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
75-00-3	CHLOROETHANE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
67-64-1	ACETONE	ND	50.
107-02-8	ACROLEIN	ND	50.
107-13-1	ACRYLONITRILE	ND	50.
75-15-0	CARBON DISULFIDE	ND	5.
75-35-4	1,1-DICHLOROETHENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
76-13-1	FREON-TF	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
123-91-1	1,4-DIOXANE	ND	5.
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND	5.
67-63-3	CHLOROFORM	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
78-93-3	2-BUTANONE	ND	50.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
16-23-5	CARBON TETRACHLORIDE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-27-4	BROMODICHLOROMETHANE	ND	5.
79-24-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
100&1-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
79-01-6	TRICHLOROETHENE	ND	5.
124-48-1	CHLORODIBROMOMETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
71-43-2	BENZENE	ND	5.
100&1-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
110-75-8	2-CHLOROETHYL VINYLETHER	ND	50.
75-25-2	BROMOFORM	ND	5.
119-78-6	2-HEXANONE	ND	30.
108-10-1	4-METHYL-2-PENTANONE	ND	30.
127-18-4	TETRACHLOROETHENE	ND	5.
106-88-3	TOLUENE	ND	5.

WEST TAST ANALYTICAL SERVICE, I .

CLIENT: WENCK ASSOCIATES
 SAMPLE: BG-PIT 10'
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 06/20/86 GCMS FILENAME: 3322V6
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 06/25/86 DATE ANALYZED: 06/25/86
 STANDARD ID: VOA278 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 1.01G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
108-90-7	CHLOROBENZENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
100-42-5	STYRENE	ND	5.
95-47-6	TOTAL XYLENES	ND	5.
108-41-8	M-CHLOROTOLUENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.

WEST JAST ANALYTICAL SERVICE, I

CLIENT: WENCK ASSOCIATES
SAMPLE: BG-PIT 10'

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	FRACTION	CONCENTRATION UG/KG (PPB)
=====		
1 NONE FOUND	VOA	

WENCK ASSOCIATES
Bermite Division
22116 W. Soledad Canyon Rd.
Saugus, CA 91350

ATTN: Norm Wenck

July 18, 1986

Job Number 3481

Page 1 of 1

REVISED LABORATORY REPORT

Samples: Two (2) soil samples
Date Received: 7-11-86
Purchase Order No.: 7822

One (1) sample labeled Pit 3 was analyzed for volatile organics by EPA method 624. Pit 3 was also analyzed for EP toxicity metals by ICPMS. One sample labeled floor dirt was extracted by EPA method 1310 and analyzed for EP toxicity metals by ICPMS. The results are given in the following Quantitative Analysis report.

Mary Stordal

Mary Stordal
Chemist

D. J. Northington

D. J. Northington, Ph.D.
Technical Director

CLIENT Wenck Associates
JOB NUMBER 3481

WCAS

**WEST COAST
ANALYTICAL
SERVICE, INC.**

ANALYTICAL CHEMISTS

Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry

Parts Per Million

Soil
Detection
Limit

Pit 3

	Pit 3	Soil Detection Limit
Chromium	12	1
Arsenic	ND	.2
Selenium	ND	10
Silver	ND	.2
Cadmium	ND	.2
Barium	51	.6
Mercury	ND	.2
Lead	4.3	.4

ND-Not Detected. The limit of detection is reported above.

WEST COAST ANALYTICAL SERVICE, INC.

CLIENT: WENCK ASSOCIATES, INC.
 SAMPLE: PIT 3
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 07/11/86 GCMS FILENAME: 3481V1
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 07/17/86 DATE ANALYZED: 07/17/86
 STANDARD ID: VOA288 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 1.00

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
74-87-3	CHLOROMETHANE	ND	30.
74-83-9	BROMOMETHANE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
75-00-3	CHLOROETHANE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
67-64-1	ACETONE	ND	50.
107-02-8	ACROLEIN	ND	50.
107-13-1	ACRYLONITRILE	ND	50.
75-15-0	CARBON DISULFIDE	ND	5.
75-35-4	1,1-DICHLOROETHENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
76-13-1	FREON-TF	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
123-91-1	1,4-DIOXANE	ND	5.
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND	5.
67-66-3	CHLOROFORM	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
78-93-3	2-BUTANONE	ND	50.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
16-23-5	CARBON TETRACHLORIDE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-27-4	BROMODICHLOROMETHANE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
79-01-6	TRICHLOROETHENE	450.	5.
124-48-1	CHLORODIBROMOMETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
71-43-2	BENZENE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
110-75-8	2-CHLOROETHYLVINYLETHER	ND	50.
75-25-2	BROMOFORM	ND	5.
119-78-6	2-HEXANONE	ND	30.
108-10-1	4-METHYL-2-PENTANONE	ND	30.
127-18-4	TETRACHLOROETHENE	180.	5.
108-88-3	TOLUENE	28.	5.

WEST JUST ANALYTICAL SERVICE, INC.

CLIENT: WENCK ASSOCIATES, INC.
 SAMPLE: PIT 3
 ANALYSIS TYPE: EPA METHOD 8240 (624)

ORGANICS ANALYSIS DATA RESULTS

DATE RECEIVED: 07/11/86 GCMS FILENAME: 3481V1
 LEVEL: LOW MATRIX: SOIL
 DATE PREPARED: 07/17/86 DATE ANALYZED: 07/17/86
 STANDARD ID: VOA288 INSTRUMENT ID: 5100
 SAMPLE AMOUNT: 1.0G

CAS #	COMPOUND	CONC: UG/KG (PPB)	DETECTION LIMIT
108-90-7	CHLOROBENZENE	ND	5.
100-41-4	ETHYLBENZENE	10.	5.
100-42-5	STYRENE	ND	5.
95-47-6	TOTAL XYLENES	50.	5.
108-41-8	M-CHLOROTOLUENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
67-63-0	ISOPROPYL ALCOHOL	ND	5.

WEST \ AST ANALYTICAL SERVICE, IN

CLIENT: WENCK ASSOCIATES, INC.
SAMPLE: PIT 3

TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	FRACTION	CONCENTRATION UG/KG (PPB)
=====		
1 NONE FOUND	VOA	

Data Reporting Qualifiers

- Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.
- ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample is reported based on necessary concentration or dilution actions.
- TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

ENCLOSURE 2
RESULTS OF 1983 SOIL SAMPLES
FROM 317

REPORT ON SERVICE NUMBER 8013
 June 9, 1983

To: Zoyd Luce
 Bermite Division
 Saugus, CA

Analysis: The following samples were submitted for analysis:
 One bulk sample for chlorinated hydrocarbons and
 total hydrocarbons (aliphatic).

Method: BULK SAMPLES (chlorinated hydrocarbons)
 The analyte was extracted from the bulk material with a
 solvent and analyzed using gas chromatography with
 electron capture detection (ECD). The chromatographic peak
 area was compared to a calibration curve obtained from
 prepared standards.

BULK SAMPLES (total hydrocarbons)
 The analyte was extracted from the bulk material with a
 solvent and analyzed using gas chromatography with
 flame ionization detection. The chromatographic peak
 area was compared to a calibration curve obtained from
 prepared standards.

Results:	Sample Number	Compound	Concentration (ppm)
	North edge 10 feet 5/18/83	Total hydrocarbon aliphatic	ND(0.05)
		Chlorinated hydrocarbon	ND(0.005)

Discussion: ND() indicates none of the substance was detected,
 with a detection limit shown in the parentheses.

Laboratory data are filed and available upon request.

Submitted by: 
 Robert N. Hager, Jr. Ph.D.
 Laboratory Director

To: Dwight Luce
Location: Bernite

From: Ed Holzrichter *EJH*
Location: WCRC

Subject: Analysis of Soil Sample

Date: May 25, 1983

(317)

We have completed our examination of the soil sample identified as "10 feet (North Edge)" and are pleased to report no detectable organic compounds.

The sample was examined by thermal gas chromatography using an MP-3 Thermal Chromatograph with a flame ionization detector. Using this technique we would easily detect one part per million of organic material.

EJH/vo

31
714-825-62

Tank Inspection Log
April 26 through June 26, 1985

EXHIBIT B

- 1-21-85 0900 Inspected tanks 1 & 2 no problem tank #3 out of service
- 1-24-85 ^{ff} inspected tanks tanks 1 & 2 no problem tank #3 out of service
- 2-7-85 ^{ff} all tanks inspected tank #3 out of service (all ok)
- 2-14-85 ^{ff} inspected tanks 1 & 2 no problem tank #3 out of service
- 2-22-85 ^{ff} pumped 350 gal liquid waste from MTV (MSU-2) into Tank 2
- 2-26-85 ^{ff} pumped 17.5 gal liquid waste from MTV (MSU-2) into Tank 2
- 2-27-85 ^{ff} pumped 150 gal liquid waste from MTV (MSU-2) into Tank 2
- 3-4-85 ^{ff} pumped 150 gal liquid waste from MTV (MSU-2) into Tank 2
- 3-6-85 ^{ff} pumped 150 gal liquid waste from MTV (MSU-2) into Tank 2
- 3-8-85 ^{ff} pumped 16.5 gal liquid waste from MTV (MSU-2) into Tank 2
- 3-14-85 ^{ff} pumped 55 gal liquid waste from Bldg. 37 into Tank 2
- 3-14-85 ^{ff} pumped 15 gal liquid waste from MTV (MSU-2) into Tank 2
- 3-15-85 ^{ff} pumped 275 gal liquid waste from MTV (MSU-2) to Tank 2
- 3-15-85 ^{ff} inspected tanks 1 & 2 no problems noted, tank #3 out of service.
- 3-22-85 ^{ff} pumped 25 gal liquid waste from MTV (MSU-2) into tank 2.
- 3-22-85 10:35 inspected tanks 1 & 2 no problems note: tank #3 out of service
- 4-4-85 1500 pumped 130 gal liquid waste from MTV into Tank #2 inspected tanks 1 & 2 no problems; tank #3 out of service
- 4-10-85 1400 pumped approximately 400 gal liquid waste from MTV into Tank #2; Tank #3 out of service; Tank #1 ok, Tank #2 showing signs of condensation around the bolts on East Inspection cover, T. Bloom notified.
- 4-18-85 1130 pumped approximately 140 gal liquid waste from MTV into tank #2. Tank #3 still out of service. Tank #1 ok., Tank #2 showing signs of condensation around the bolts on east inspection cover. T. Bloom notified.
- 5-2-85 pumped approximately 295 gal liquid waste from MTV into tank 2. Tank #2 still showing signs of seepage around manhole cover bolts. Tank #1 OK and Tank #3 still out of service

5/1

5/1

5/1

6-

6-

6-

5/10/85 Inspect tanks 1, 2 & 3. Tank #1 shows no signs of seepage. Tank #2 shows the same signs as indicated on 4-10-85 and tank #3 still out of commission.

5/17/85 p. Pumped 192 gallons of liquid waste from Bldg 362 - shock gel process. The condition of the tanks are the same as noted on 5/10/85.

5/22/85 p. Inspected tank facility - no changes from previous inspections.

6-1-85 p. Pumped approximately 350 gallons of liquid waste from building 362 - shock gel process. The condition of the tanks are the same as noted on 5-10-85, no changes observed.

6-10-85 Inspected tank facility - no change from previous inspection

6-26-85 Bruce Rossi placed 30 gal of ethyl nitrocellow into tank #2. He noted no change in previous indicated inspections.

noise

Leak

K 2

2

2

2

2

1

2

2

2

3

3

1-2) into

6-3

Tank #2

of Series

170

The

170

100

171

Manifest Nos. 8264545-8264549

EXHIBIT C

HAZARDOUS MATERIALS MANAGEMENT

UNIFORM HAZARDOUS WASTE MANIFEST

SECTION 748 P Street Sacramento, CA 95814

(Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 8264545

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Rd.
Saugus, Ca. 91350 805-259-2241

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER

C I A D 0 6 4 5 7 3 1 0 8 1 2 3 8 6

TRANSPORTER NO. 1
U. S. Services
526 Railroad St.
Corona, CA 91720 714-371-1461

VEH./CONTAINER NO. EPA ID NUMBER

0 0 1 5 0 / 5 5 C A T 0 8 0 0 3 4 1 5 9

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS

UN/NA NUMBER

TOTAL QUANTITY

UNIT WT/VOL

CONTAINER NO. TYPE

WASTE CAT. NO.

HAZARDOUS WASTE, LIQUID N.O.S.
ORM E

N A 9 1 8 9 0 5 0 0 0 G C T 1 1 1

COMPONENTS

CONC. UPPER

RANGE LOWER

UNITS % ppm

Main Component - Water

99% X

Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide

1 X

SPECIAL HANDLING INSTRUCTIONS

Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

Jim Jish, Hazardous Waste Coordinator MO. DAY YR.

PRINTED OR TYPED FULL NAME AND SIGNATURE 1 0 2 6 8 3

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPTED

Henry Lambie

PRINTED OR TYPED FULL NAME AND SIGNATURE

MO. DAY YR.

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

MO. DAY YR.

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

EPA ID NUMBER

MO. DAY YR.

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

HAZARDOUS WASTE MANIFEST

UNIFORM HAZARDOUS WASTE MANIFEST

San Francisco, CA 94114

(Please print or type with a RITE-YITE 172 characters per inch printer)

STATE ID NUMBER **8264546**

GENERATOR NAME AND MAILING ADDRESS
Sample
AREA CODE/PHONE NUMBER **805-251-1741**

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER

TRANSPORTER NAME AND MAILING ADDRESS
U.S. Services
526 Hillside St
Corona, CA 91720 714-971-1163
TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

VEH/CONTAINER NO. **431980**
EPA ID NUMBER **CA1708009195**

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY NAME AND MAILING ADDRESS
AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO. TYPE	WASTE CAT. NO.
HAZARDOUS WASTE, LIQUID N.O.S. ORM E	NA 91189-0-1000	0.000	G	CT 11220	

COMPONENTS	CONC. UPPER	RANGE LOWER	UNITS	
			%	ppm
Main Component - Water		99		X
Salts, Sodium Carbonate, Lead			1	X
Aluminum Oxide				

SPECIAL HANDLING INSTRUCTIONS
Gloves and goggles when handling

This is to certify that the above named materials are properly identified, packaged, labeled, and are in proper condition for transportation according to the applicable regulations of the DOT and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE **James Hazardous Waste Coordinator** MO. **10** DAY **27**

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS
James D. Loyd
PRINTED OR TYPED FULL NAME AND SIGNATURE **James D. Loyd** MO. **10** DAY **27**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS
PRINTED OR TYPED FULL NAME AND SIGNATURE MO. DAY

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete Waste Number. See instructions.
Kevin Terrio
PRINTED OR TYPED FULL NAME AND SIGNATURE **Kevin Terrio** EPA ID NUMBER **0410000616117** MO. **10** DAY **27**

HAZARDOUS MATERIALS MANAGEMENT SECTION
744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

STATE ID NUMBER **8264546**

(Please print or type with ELITE type (12 characters per inch).)

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Rd.
Saugus, CA 91350
AREA CODE/PHONE NUMBER **805-259-2241**

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER

G A D 0 6 4 5 7 3 1 0 8 1 2 3 8 8

TRANSPORTER NO. 1
U. S. Services
526 Railroad St.
Corona, CA 91720 714-371-1461
TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

VEH./CONTAINER NO. EPA ID NUMBER
43880 **C I A T 0 8 0 0 3 4 2 5 9**

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS

UN/NA NUMBER

TOTAL QUANTITY

UNIT WT/VOL

CONTAINER NO. TYPE

WASTE CAT. NO.

HAZARDOUS WASTE, LIQUID N.O.S.
ORM E

NA 9189 05000

G **CIT 122**

COMPONENTS

CONC. UPPER

RANGE LOWER

UNITS % ppm

Main Component - Water

99 **X**

Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide

1 **X**

SPECIAL HANDLING INSTRUCTIONS

Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE **Jia Jisa, Hazardous Waste Coordinator** MO. DAY YR. **10 27 83**

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED

John Wayne Loyd DRIGGERS MO. DAY YR. **10 27 83**
PRINTED OR TYPED FULL NAME AND SIGNATURE **DRIGGER**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions. DATE REC'D & ACCEPTED

EPA ID NUMBER MO. DAY YR. PRINTED OR TYPED FULL NAME AND SIGNATURE

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

HAZARDOUS MATERIALS MANAGEMENT

UNIFORM HAZARDOUS WASTE MANIFEST

San Francisco, CA 95814

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER 8264547

GENERATOR NAME AND MAILING ADDRESS Bermite Division of Watttaker Corporation 22116 W. Salado Canyon Rd. San Jose, CA 95135 Area Code/Phone Number: 408-258-2241	MANIFEST-DOCUMENT NUMBER EPA ID NUMBER CA170106457310812389
--	---

TRANSPORTER NO. 1 U. S. Services 526 Railroad St. Corona, CA 91720 Area Code/Phone Number: 714-371-1461	VEH. CONTAINER NO. 00156	EPA ID NUMBER CA17080034259
--	-----------------------------	--------------------------------

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY	EPA ID NUMBER
--	---------------

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY	EPA ID NUMBER
AREA CODE/PHONE NUMBER	

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASSIFICATION	UNIT WT/VOL	CONTAINER NO. TYPE	WASTE CAT. NO.
--	-------------	--------------------	----------------

HAZARDOUS WASTE, LIQUID N.O.S. ORM E	UNIT WT/VOL	CONTAINER NO. TYPE	WASTE CAT. NO. G1132
---	-------------	--------------------	-------------------------

COMPONENTS	COND. UPPER	RANGE LOWER	UNITS % ppm
Main Component - Water		99	X
Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide		1	X

SPECIAL HANDLING INSTRUCTIONS:
Gloves and goggles when handling

This is to certify that the above named materials are in proper condition for transportation according to the applicable regulations of the DOT.

PRINTED OR TYPED FULL NAME AND SIGNATURE: *[Signature]* MO. DAY YR. 110 27 83

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUED SHEETS: _____

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS
HENRY LAM BIE
PRINTED OR TYPED FULL NAME AND SIGNATURE: *[Signature]* MO. DAY YR. 110 27 83

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS
PRINTED OR TYPED FULL NAME AND SIGNATURE: _____ MO. DAY YR. _____

DISCREPANCY INDICATION SPACE

TO BE FILLED IN BY TSDF

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest, except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.
Kevin Terris
PRINTED OR TYPED FULL NAME AND SIGNATURE: *[Signature]* EPA ID NUMBER: CA17010646117 MO. DAY YR. 110 27 83

HAZARDOUS MATERIALS MANAGEMENT
SECTION
744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

(Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER **8264547**

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Rd.
San Luis, CA 91350 805-259-2241

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER

C | A | D | 0 | 6 | 4 | 5 | 7 | 3 | 1 | 0 | 8 | 1 | 2 | 3 | 8 | 9

TRANSPORTER NO. 1
U. S. Services
526 Railroad St.
Corona, CA 91720 714-371-1461

VEH./CONTAINER NO. EPA ID NUMBER

5 | 1 | 4 | 1 | 5 | 4 | 1 | 5 | 6 | C | A | T | 0 | 8 | 0 | 0 | 3 | 4 | 2 | 5 | 9

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS

UN/NA NUMBER

TOTAL QUANTITY

UNIT WT/VOL

CONTAINER NO. TYPE

WASTE CAT. NO.

HAZARDOUS WASTE, LIQUID N.O.S.
ORM E

N | A | 9 | 1 | 8 | 9 | 0 | 5 | 0 | 0 | 0

G

C | T | 1 | 3 | 2

COMPONENTS

CONC. UPPER

RANGE LOWER

UNITS % ppm

Main Component - Water
Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride,
Aluminum Oxide

99

X

1

X

SPECIAL HANDLING INSTRUCTIONS

Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE **Jim Jisa, Hazardous Waste Coordinator** MO. DAY YR. **10 27 83**

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS **HENRY LAMBIE** DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE **H J Lambie** MO. DAY YR. **10 27 83**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE MO. DAY YR.

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions. DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE EPA ID NUMBER MO. DAY YR.

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

HAZARDOUS MATERIALS MANAGEMENT
SECTION
44 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

STATE ID NUMBER **8264548**

(Please print or type with ELITE type (12 characters per inch))

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Witterker Corporation
22116 W. Salsola Canyon Rd.
San Jose, CA 95130
AREA CODE/PHONE NUMBER **408-738-7781**

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
CA1D106457310812387

TRANSPORTER NO. 1
U. S. Services
526 Railroad
Corona, CA 91709

VEH. CONTAINER NO.
EPA ID NUMBER
00013678
CA1T0810034259

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. DOT SHIPPING NAME AND HAZARD CLASS

TOTAL QUANTITY
UNIT WT/VOL
CONTAINER NO. TYPE
WASTE CAT. NO.

HAZARDOUS WASTE, LIQUID N.O.S.
ORM E

13.9 **10.0** **G**
CIT **1912**

COMPONENTS

CONC. UPPER
RANGE LOWER
UNITS % ppm

Main Component - Water
Salts, Sodium Carbonate, Lead Carbonate
Aluminum Oxide

99
1

SPECIAL HANDLING INSTRUCTIONS

Cleaves to be bagged, wear handling

This is to certify that the above named materials are properly packaged, labeled, and are in proper condition for transportation according to applicable regulations of the Department of Transportation.

DATE REC'D & ACCEPT
MO. DAY Y
10 27 81

PRINTED OR TYPED FULL NAME AND SIGNATURE

CHECK IF CONTINUATION SHEETS USED

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSD

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPT

CHERIE

MO. DAY Y
10 27 81

PRINTED OR TYPED FULL NAME AND SIGNATURE

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPT

PRINTED OR TYPED FULL NAME AND SIGNATURE

MO. DAY Y

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSD# must complete waste number. See instructions.

DATE REC'D & ACCEPT

Kevin Terrio

EPA ID NUMBER
CA1A0000490117
MO. DAY Y
10 27 81

HAZARDOUS MATERIALS MANAGEMENT
SECTION
744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

STATE ID NUMBER **8264548**

(Please print or type with ELITE type (12 characters per inch).)

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Rd.
Saugus, CA 91350
AREA CODE/PHONE NUMBER **805-259-2241**

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
C | A | D | 0 | 6 | 4 | 5 | 7 | 3 | 1 | 0 | 8 | 1 | 2 | 3 | 8 | 7

TRANSPORTER NO. 1
U. S. Services
526 Railroad St.
Corona, CA 91720 **714-371-1461**

VEH./CONTAINER NO.
EPA ID NUMBER
C | A | T | 0 | 8 | 0 | 0 | 3 | 4 | 2 | 5 | 9

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	TYPE	WASTE CAT. NO.
HAZARDOUS WASTE, LIQUID N.O.S. ORM E	N A 9 1 8 9	050 0 0	G		C T	13 2

COMPONENTS	CONC. UPPER	RANGE		UNITS % ppm
		LOWER		
Main Component - Water		99		X
Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide		1		X

SPECIAL HANDLING INSTRUCTIONS
Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE **Jim Jisa, Hazardous Waste Coordinator** MO. **10** DAY **27** YR. **83**

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TO BE FILLED IN BY TRANSPORTER
TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED
JIM JISA MO. **10** DAY **27** YR. **83**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED
PRINTED OR TYPED FULL NAME AND SIGNATURE MO. DAY YR.

TO BE FILLED IN BY TSDF
DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions. DATE REC'D & ACCEPTED
PRINTED OR TYPED FULL NAME AND SIGNATURE EPA ID NUMBER MO. DAY YR.

UNIFORM HAZARDOUS WASTE MANIFEST

(Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER **8264549**

GENERATOR NAME AND MAILING ADDRESS: **EMEX Services Div. of Mitchell**
22116 N. Colton Canyon Rd.
Redwood City, CA 94061-2500
 MANIFEST DOCUMENT NUMBER: **8264549**
 EPA ID NUMBER: **010817110**

TRANSPORTER NAME AND ADDRESS: **U. S. Hauler**
526 Railroad St.
San Francisco, CA 94111-1461
 VEHICLE CONTAINER NO.: **CA17080034250**
 EPA ID NUMBER: **010817110**

TRANSFERRER NAME AND ALTERNATE TSD FACILITY: **U. S. Hauler**
 EPA ID NUMBER: **010817110**

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY: **U. S. Hauler**
 EPA ID NUMBER: **010817110**

AREA CODE/PHONE NUMBER: **415-371-1461**

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS: **HAZARDOUS WASTE, LIQUID N.O.S.**

HAZARDOUS WASTE, LIQUID N.O.S.	CONTAINER NO.	WASTE CAT. NO.
GEN X	CT 132	132

COMPONENTS	CONC. UPPER	RANGE LOWER	UNITS %
Main Component - Water		99	X
Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide		1	X

SPECIAL HANDLING INSTRUCTIONS: **Gloves and goggles when handling**

This is to certify that the above named materials are properly identified, packaged and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation.

DATE: **10 27 83**

CHECK IF CONTAINER IS USED IN THE TSD FACILITY

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS: **Ray Collins**
 DATE REC'D & ACCEPTED: **10 27 83**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS: **[Signature]**
 DATE REC'D & ACCEPTED: **10 27 83**

DISCREPANCY INDICATION SPACE: **STRUCK BACK**

TO BE FILLED IN BY TSD FACILITY

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSD must complete waste number. See instructions.
Kevin Terris
 DATE REC'D & ACCEPTED: **10 27 83**
 EPA ID NUMBER: **010817110**

UNIFORM HAZARDOUS WASTE MANIFEST

STATE ID NUMBER **8264549**

(Please print or type with ELITE type (12 characters per inch).)

GENERATOR NAME AND MAILING ADDRESS BERNIX Bermite Div. of Whittaker Corporation 22116 W. Soledad Canyon Rd. Saugus, CA 91350		MANIFEST DOCUMENT NUMBER EPA ID NUMBER	
AREA CODE/PHONE NUMBER 805-259-2241		C I A D I O 6 4 5 7 3 1 1 0 8 1 1 2 3 8 9	
TRANSPORTER NO. 1 U. S. Services 526 Railroad St. Orange, CA 91720	VEH./CONTAINER NO.	EPA ID NUMBER	
TRANSPORTER NO. 2 / ALTERNATE TSD FACILITY 714-371-1461		C I A T 0 8 0 0 3 4 2 5 9	
TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY		EPA ID NUMBER	
AREA CODE/PHONE NUMBER			

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	TYPE	WASTE CAT. NO.
HAZARDOUS WASTE, LIQUID N.O.S. ORM E	NA 9189	0.21010	G		CT 132	
COMPONENTS			CONC. UPPER	RANGE LOWER	%	UNITS ppm
Main Component - Water				99	X	
Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide				1	X	

SPECIAL HANDLING INSTRUCTIONS
Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

Jim Jisa, Hazardous Waste Coordinator MO. DAY YR.
10 27 83

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS	DATE REC'D & ACCEPTED
	MO. DAY YR. 10 27 83
PRINTED OR TYPED FULL NAME AND SIGNATURE RON BOELKENS	
TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS	DATE REC'D & ACCEPTED
PRINTED OR TYPED FULL NAME AND SIGNATURE	MO. DAY YR.

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

EPA ID NUMBER MO. DAY YR.

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

TH #6

Whittaker

July 1, 1985 (117)

U.S. Environmental Protection Agency
Mr. Barry Cofer
215 Fremont St.
San Francisco, CA 94105

Dear Sir:

The attached Bermite Environmental Protection Manual is forwarded for your review. I had given you a copy of the Emergency and Disaster Plan, which was only a revised section of the total document.

I hope you will find that this document contains all essential information for our Environmental Operating Plan. I have forwarded the revised plan to the agencies as addressed on copies of transmittal letters, attached.

Should you require additional information about this document, please contact me at (805) 259-2241 ext. 227.

Sincerely,



Thomas J. Bloom, Director
Security, Health and Safety

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

July 1, 1985 (116)

Department of Health Services
Mr. Mel Knight
107 S. Broadway Rm. 7128
Los Angeles, CA 90012

Dear Sir:

The attached Contingency Plan, revised April 1985, is forwarded to your organization as required by Bermite's Interim Status Document Number: CAD 064573108.

In the event of an emergency at this facility, the Emergency Coordinator, Mr. John Pierson, and other facility emergency response personnel's home telephone numbers are listed on page 2 and the facility's address and telephone number is listed on page 5 of the Emergency and Disaster Plan section.

Should you have any questions or require additional information, please contact the undersigned at (805) 259-2241.

Sincerely,



Thomas J. Bloom, Director
Security, Health and Safety

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

July 1, 1985 (116)

Henry Mayo Newhall Memorial Hospital
Dixie Johnson
23845 W. McBean Parkway
Valencia, CA 91355

Dear Sir:

The attached Contingency Plan, revised April 1985, is forwarded to your organization as required by Bermite's Interim Status Document Number: CAD 064573108.

In the event of an emergency at this facility, the Emergency Coordinator, Mr. John Pierson, and other facility emergency response personnel's home telephone numbers are listed on page 2 and the facility's address and telephone number is listed on page 5 of the Emergency and Disaster Plan section.

Should you have any questions or require additional information, please contact the undersigned at (805) 259-2241.

Sincerely,



Thomas J. Bloom, Director
Security, Health and Safety

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

July 1, 1985 (116)

California Chemical Disposal
Andy Burchett
12159 Longworth Ave.
Norwalk, CA 90650

Dear Sir:

The attached Contingency Plan, revised April 1985, is forwarded to your organization as required by Bermite's Interim Status Document Number: CAD 064573108.

In the event of an emergency at this facility, the Emergency Coordinator, Mr. John Pierson, and other facility emergency response personnel's home telephone numbers are listed on page 2 and the facility's address and telephone number is listed on page 5 of the Emergency and Disaster Plan section.

Should you have any questions or require additional information, please contact the undersigned at (805) 259-2241.

Sincerely,



Thomas J. Bloom, Director
Security, Health and Safety

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

July 1, 1985 (116)

Los Angeles County Fire Department
Station #73
Chief Hargan
24875 San Fernando Rd.
Newhall, CA 91321

Dear Sir:

The attached Contingency Plan, revised April 1985, is forwarded to your organization as required by Bermite's Interim Status Document Number: CAD 064573108.

In the event of an emergency at this facility, the Emergency Coordinator, Mr. John Pierson, and other facility emergency response personnel's home telephone numbers are listed on page 2 and the facility's address and telephone number is listed on page 5 of the Emergency and Disaster Plan section.

Should you have any questions or require additional information, please contact the undersigned at (805) 259-2241.

Sincerely,



Thomas J. Bloom, Director
Security, Health and Safety

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

July 1, 1985 (116)

Los Angeles County Sheriff Department
Lt. Wakeman
23740 Magic Mountain Parkway
Valencia, CA 91355

Dear Sir:

The attached Contingency Plan, revised April 1985, is forwarded to your organization as required by Bermite's Interim Status Document Number: CAD 064573108.

In the event of an emergency at this facility, the Emergency Coordinator, Mr. John Pierson, and other facility emergency response personnel's home telephone numbers are listed on page 2 and the facility's address and telephone number is listed on page 5 of the Emergency and Disaster Plan section.

Should you have any questions or require additional information, please contact the undersigned at (805) 259-2241.

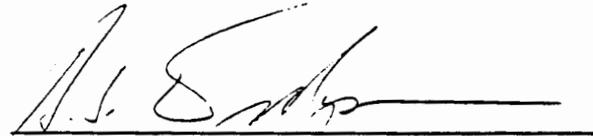
Sincerely,



Thomas J. Bloom, Director
Security, Health and Safety

	YES	NO
10. Is line 3 at least \$10 million? _____	X	
11. Is line 3 at least 6 times line 1? _____	X	
12. Is line 7 at least 6 times line 1? _____	X	
*13. Are at least 90% of firm's assets located in the U.S.? (If not, complete Line 14) _____		X
14. Is line 9 at least 6 times line 1? _____	X	
15. Is line 2 divided by line 4 less than 2.0? _____	X	
16. Is line 8 divided by line 2 greater than 0.1? _____	X	
17. Is line 5 divided by line 6 greater than 1.5? _____	X	

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR 264.151(f) as such regulations were constituted on the date shown immediately below.


 HARRY S. DERBYSHIRE
 Executive Vice President and
 Chief Financial Officer
 June __, 1982

BERMITE

#8 A

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

September 9, 1983

Mr. Nestor O. Acedera
Associate Waste Management Engineer
State of California
Department of Health Services
Hazardous Waste Management Branch
107 South Broadway, Room 7128
Los Angeles, CA 90012

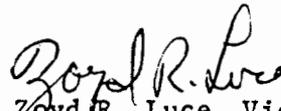
Ref: Our meeting with Jim Jisa on 8-30-83

Dear Mr. Acedera:

Attached is the closure plan for the surface impoundment located at Bermite's phosphorus stabilizing area which will be part of our conversion of this site to an above-ground, state-of-the-art facility.

As per our conversation we will go with a 90-day turn around on waste at our facility adjacent to Bldg. 317 and, should final completion be followed through at our phosphorus stabilizing, there as well. We will lay the foundation at the phosphorus stabilizing site so that we can immediately begin construction of an above-ground storage site. Bermite will, as we agreed, comply with all regulations required for permitting although we will not, at this time, based on our 90-day turn around, apply for a permit.

Very truly yours,



Zoyd R. Luce, Vice President
Human Resources

ZL/lkb

CONVERSION PLAN FOR THE SURFACE IMPOUNDMENT

Pursuant to Code of Federal Regulations 40, Revised Edition July 1, 1982 Subpart G, and the State of California DOHS Interim Status Document submitted to Bernite on September 25, 1981, the following operational plan for converting the surface impoundment located in the phosphorus stabilizing area shall be put into operation. This plan insures the safe and healthful shutdown of the surface impoundment and assures:

1. A minimum need for maintenance.
2. Controls to assure minimizing or eliminating past closure escape of hazardous waste, leachate, waste decomposition products migrating to groundwater, surface water, or to the atmosphere, to assure the protection of the environment and human health.

The conversion of this surface impoundment represents a segment of the total closure package on file with the DOHS and is in compliance with CFR 40, 265.112G (d).

Procedure:

1. Prior to November 1, 1983 the surface impoundment will be
 - (a) emptied of all hazardous material;
 - (b) the liner will be examined for any rips, tears or other damage that may have gone undetected before this date; and
 - (c) the immediate geographic area will be inspected for evidence of undetected releases.
2. Upon completion of the site inspection of the Facilities Department will
 - (a) remove the liner;
 - (b) take an appropriate soil sample from the center of the impoundment and submit it for lab samples.

NOTE: A Copy of the soil sample report will be forwarded for DOHS review.
3. All waste and contaminated material will be disposed of in accordance with Federal, State and local regulations.

4. Upon receipt of the soil sample report the area will be released to Facilities for conversion to the above-ground storage facility already reviewed by the EPA and DOHS.

Whittaker

COPY T.
W. PELUCCI
Z. LUCE

**LOSS CONTROL AND
SAFETY DEPARTMENT**

TO: Mr. Doug Moore
Bermite

DATE: 8-26-82

FROM: John J. Pelozuin
Corporate Industrial Hygienist

John J. Pelozuin

SUBJECT: EPA/Health & Safety Survey of 8-17-82

EPA/RCRA Survey:

1. The paperwork portion of the RCRA program is in reasonably good shape. The contingency plan must be upgraded in the areas of spill control, equipment lists and evacuation plan as prescribed in 40 CFR 265.52 b, e and f.
2. Bermite must visit the various treaters and disposers (such as Chemical Waste Management and Oil and Solvent Recovery) to assure that all material is received, treated and/or disposed of properly and that adequate recordkeeping is maintained.
3. It must be documented that all employees who handle, package, label, store, ship, etc. hazardous waste are properly trained.
4. The main hazardous waste holding site (Building 308) is in good shape. Building a concrete pad would serve no purpose. All drummed liquids must be stored on pallets and inspected (daily) for deterioration or leakage. Present procedures are acceptable.
5. The lagoons at building 317 and phosphorous stabilizing are in good shape. The empty drums at phosphorous stabilizing should be removed. The ravine above that area must be policed up of discarded drums.
6. The burn site is in good condition. Weather permitting, the accumulated scrap should be burned before the upcoming inspection.

#7

7. The Hula Bowl is a disaster area. All drums and scrap metal must be removed as soon as possible. The trash dump must be sanitized immediately. All illegal industrial and sanitary waste must be removed and disposed of properly. In the future all trash must be disposed of properly. The Hula Bowl apparently has been used as an oil changing station. The oil spills and dirty filters must be cleaned up. The present condition of the Hula Bowl would very likely trigger ground water monitoring. Clean up of this area must receive top priority. A program preventing recurrence of this situation must also receive top priority.

Safety Survey:

1. Building 234 - The paint spray booth is not equipped with an air flow indicator as required by 29 CFR 1910.107 (b) (5) (i).
2. Building 234 - Not equipped with any type of sprinkler system although explosives are being assembled and flammables being sprayed.
3. I did not measure the noise in Building 234 but mufflers on the air cylinder exhausts would greatly decrease the noise level.
4. The paint storage area of building 228 needs house-keeping. Numerous spills were noted on the driveway and curbing. **NO COPY**

I would like to express my appreciation to Zoyd, Jim and Cliff for their fine cooperation. I'm sure they can take care of the above items without any problems.

If you have any questions or need any further help, please let Al or me know.

cc: Al Simmons
Zoyd Luce

JJP/ss

PLANNED ACTIONS

Prepared for: SHOCK Gel FacilityDate: 6-25-85

ACTION REQUIRED	RESPONSIBLE FOR COMPLETION	DATE DUE
1. Are we putting in an underground containment for wash out?		
2. Will the system have tank (container) inside a containment (vault) structure?		
3. Will the liquid wash down water contain any elemental compounds listed as hazardous in in Title 22 Cal. Admin. Code		
4. How will the container be emptied.		

DAILY PHONE LOG

REPORT STARTS (TIME) _____ (DATE) _____

REPORT ENDS (TIME) _____ (DATE) _____

SPECIAL INSTRUCTIONS: Called L.A. County Engineer's Building & Safety
253-7211

PERSON CALLING	TIME	DISPOSITION/REMARKS
	0845	Permitte under ground ^{fractured} 9 th Fire 253-7266
XXXX		South Coast Air Quality Management Agency
		Water Resources Department 257-3610
		Betty Seldner 259-4030 2 prints per tank approval
		Let County Public Works - Rick Walls 213-738-2463 Under storage of Guide Lines 10/04 (Hazardous)
		July 31 resolved → Leak Alert. may be
4-22-85		Question - Does open top slump - with walls partial in ground require monitoring equip. Cantara, Nether

Lois West Contracts Adm.

Call on Cole Palmer

Party to work thru @ County

12,000 in boehde Lighthouse -

Consultant → Dale Rappol. 257-0150

\$ 65⁰⁰/hr/house

Underground tank has to be tested if left in service ^{that} ~~will~~ ^{maintained}

PE 720 Test for in the ground

H.D. Howard Inc. 818-368-8820

Company who did it.

Permit to close required

Local County Engineer
253-7207

Joe Bianco

don't call
unless you need
him - go see him.

Jack Frost Fire Dept LA 253-7266 - great help

if closure will require you to follow the
closure out line in. booklet.

Options - abandon in place

Show hand ship to close in place -
very hard to show

Best close tank and pull them out -

BERMITE

Bermite Division
Whittaker Corporation

Whittaker

TO: TOM BLOOM

DATE: November 12, 1984 (247)

FROM: 
JIM JISA

SUBJECT: UNDERGROUND TANK

Recently, I took a survey of all tanks underground. It was thought to be complete, however, it seems there is a possibility a tank exists behind Engineering.

A phone conversation with Herman Benz confirms one tank is buried behind Engineering.

Purportedly, this tank is completely encased with cement.

BERMITE

Bermite Division
Whittaker Corporation

Whittaker

TO: TOM BLOOM

DATE: November 1, 1984 (235)

FROM: *Jim Jisa*
JIM JISA

SUBJECT: UNDERGROUND CONTAINERS

As a result of the underground registration regulations of the California Resources Control Board, the following tanks were registered:

Two each 2,000 gallon gas storage tanks, one each 1,000 gallon diesel fuel tank (location, nurse's office) and one each 1,000 gallon cement holding tank (Bldg. 308). In addition, two each clarifiers located at hog and 317. These clarifiers are currently not in use and would require plumbing to tanks at 317 before use. Recommend these clarifiers be registered or removed to above ground. *(removed)*

The following tanks recommended for removal are 2 ea. fuel tanks 234, 224 2 ea. fuel tanks, tin shop 1 ea. and Bldg. 347 1 ea. fuel tanks.

To summarize, it appears at least four detection systems will be needed now and possibly two more, depending on decision about clarifiers.

BERMITE

Bermite Division
Whittaker Corporation

Whittaker

TO: TOM BLOOM

DATE: October 18, 1984 (228)

FROM: JIM JISA

SUBJECT: UNDERGROUND CONTAINERS

As a result of the underground registration regulations of the California Resources Control Board the following tanks were registered: Two each 2,000 gallon gas storage tanks, one each 1,000 gallon diesel fuel tank and one each 1,000 gallon cement holding tank. In addition, one each clarifier located in hog out area is recommended for registration.

The following tanks recommended for removal are fuel tanks, Bldg. 234, fuel tanks, Bldg. 224, tin shop and Bldg. 347.

In the course of conducting this survey, some concerns were identified as possible areas of contamination: Bldg. 41, one each sump, one each cesspool (possible contamination tetryl), old azide area one each holding tank (azide contamination), one each basin (phosphorous contamination), one each septic tank Bldg. 6 (azide HMX contamination), magazine 14 (possible tetryl contamination), old dynamite Bldg. (pipes possibly contaminated), one each sump Bldg. 59 (sink and showers plumb to sump possible contamination), Bldg. 347 one each fuel tank (hexane and flare mix) and melt pour one each transfer basin (plumbing closed titaniumtetrachloride).

To summarize, it appears six detection systems will be needed, costs to be procured from Purchasing Department, as yet undetermined.

HAZARDOUS MATERIALS MANAGEMENT SECTION
 744 P Street
 Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

(Please print or type with ELITE type (12 characters per inch).)

STATE ID NUMBER **8264545**

GENERATOR NAME AND MAILING ADDRESS Bermite Division of Whittaker Corporation 22116 W. Soledad Canyon Rd. Saugus, Ca. 91350 805-259-2241		MANIFEST DOCUMENT NUMBER	
AREA CODE/PHONE NUMBER		EPA ID NUMBER	
TRANSPORTER NO. 1 U. S. Services 526 Railroad St. Coroga, CA 91720 714-371-1461		VEH./CONTAINER NO. 00150/55	EPA ID NUMBER CAD06457310812386
TRANSPORTER NO. 2/ALTERNATE TSD FACILITY		EPA ID NUMBER	
TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY		EPA ID NUMBER	
AREA CODE/PHONE NUMBER		EPA ID NUMBER	

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.
HAZARDOUS WASTE, LIQUID N.O.S. ORM E	NA918905000	000	G	CT132	

COMPONENTS	CONC. UPPER	RANGE		UNITS ppm
		LOWER	%	
Main Component - Water			99%	X
Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide			1	X

SPECIAL HANDLING INSTRUCTIONS
Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE **Jim Jish, Hazardous Waste Coordinator** MO. **10** DAY **26** YR. **83**
 CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED
 PRINTED OR TYPED FULL NAME AND SIGNATURE **Henry Lambie** MO. **10** DAY **26** YR. **83**
 TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED
 PRINTED OR TYPED FULL NAME AND SIGNATURE MO. DAY YR.

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions. DATE REC'D & ACCEPTED
 PRINTED OR TYPED FULL NAME AND SIGNATURE EPA ID NUMBER MO. DAY YR.

SERVICE ORDER

U.S.S.I.

U.S. SERVICES INC.

Specialized Services and Transportation

526 Railroad St. • Corona, CA 91720 • (714) 371-1461

№ 2850

Shipper BERMITE WHITAKER CORP Date 10-26-83

P.O. NO. _____

Billing Address _____

Job Address 22116 WEST SOLIDAD CYN RD.
SANJOS CAL. 91350

Origin CORONA CAL. Destination KITTLEMANS HILLS

Commodity CONTAMINATED WATER Out of State NO

Sub-Haul NO

Services Performed LOAD ONE LOAD CONTAMINATED
WATER FOR TRANSPORTATION AND DISPOSAL
AT CHEMICAL WASTE LANDFILL

No. of Loads 1 Private Property _____ Disposal Site Kittlemans Hills

Truck & Trailer No. 150 / 55 Capacity 130 Rate \$ _____ Hr

Start 5-30-AM Stop _____ Grosstime _____

Time Out Explain _____ Net Time _____

Trucking Charge _____ Hrs. @ \$ _____

Driver Ray Lambie Disposal Fee _____

Co-Driver _____ Wash Out _____

Helper _____ Dump Service Charge _____

Holiday _____ Fuel Surcharge _____

Total Charges _____

Services Received by _____

HAZARDOUS MATERIALS MANAGEMENT SECTION
744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

(Please print or type with ELITE type (12 characters per inch).)

STATE ID NUMBER **8264547**

GENERATOR NAME AND MAILING ADDRESS Bermite Division of Whittaker Corporation 22116 W. Soledad Canyon Rd. Saugus, CA 91350 805-259-2241		MANIFEST DOCUMENT NUMBER	
AREA CODE/PHONE NUMBER		EPA ID NUMBER	
TRANSPORTER NO. 1 U. S. Services 526 Railroad St. Corona, CA 91720 714-371-1461		VEH./CONTAINER NO.	EPA ID NUMBER
TRANSPORTER NO. 2/ALTERNATE TSD FACILITY			
TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY			
AREA CODE/PHONE NUMBER			

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.
HAZARDOUS WASTE, LIQUID N.O.S. ORM E	NA 9189	05000	G	CT 132	

COMPONENTS	CONC. UPPER	RANGE LOWER	UNITS % ppm
Main Component - Water		99	X
Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide		1	X

SPECIAL HANDLING INSTRUCTIONS
Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE **Jim Jisa, Hazardous Waste Coordinator** MO. DAY YR. **10 27 83**

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TO BE FILLED IN BY TRANSPORTER	TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS HENRY LAMBIE	DATE REC'D & ACCEPTED
	PRINTED OR TYPED FULL NAME AND SIGNATURE H. J. Lambie	MO. DAY YR. 10 27 83
TO BE FILLED IN BY TSDF	TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS	DATE REC'D & ACCEPTED
	PRINTED OR TYPED FULL NAME AND SIGNATURE	MO. DAY YR.

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

EPA ID NUMBER

MO. DAY YR.

HAZARDOUS MATERIALS MANAGEMENT SECTION
744 P Street - Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

(Please print or type with ELITE type (12 characters per inch).)

STATE ID NUMBER **8264547**

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Rd.
San Jose, CA 91350 805-259-2241

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER

C A D D 0 6 4 5 7 3 1 0 8 1 2 3 8 9

TRANSPORTER NO. 1
U. S. Services
526 Railroad St.
Corona, CA 91720 714-371-1461

VEH./CONTAINER NO. EPA ID NUMBER

01014516/1516 C A T 0 8 0 0 3 4 2 5 9

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS

UN/NA NUMBER

TOTAL QUANTITY

UNIT WT/VOL

CONTAINER NO. TYPE

WASTE CAT. NO.

HAZARDOUS WASTE, LIQUID N.O.S.
ORM E

NA 9189 05000 G

CT 132

COMPONENTS

CONC. UPPER

RANGE LOWER

UNITS % ppm

Main Component - Water

99

X

Salts, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide

1

X

SPECIAL HANDLING INSTRUCTIONS

Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

Jim Jisa, Hazardous Waste Coordinator MO. DAY YR.

PRINTED OR TYPED FULL NAME AND SIGNATURE **10 27 83**

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPTED

Handwritten signature

PRINTED OR TYPED FULL NAME AND SIGNATURE

Handwritten signature

MO. DAY YR. **10 27 83**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

MO. DAY YR.

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

DATE REC'D & ACCEPTED

EPA ID NUMBER

MO. DAY YR.

PRINTED OR TYPED FULL NAME AND SIGNATURE

MO. DAY YR.

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

HAZARDOUS MATERIALS MANAGEMENT SECTION
 744 P Street
 Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

LAX D38382

(Please print or type with ELITE type (12 characters per inch).)

STATE ID NUMBER **8264544**

GENERATOR NAME AND MAILING ADDRESS Bermite Division of Whittaker Corporation 22116 W. Soledad Canyon Road Corona, Calif. 91720		MANIFEST DOCUMENT NUMBER EPA ID NUMBER	
CARRIER/PHONE NUMBER 805-259-2241		C A D 0 6 4 5 7 3 1 0 8 1 2 3 8 5	

TRANSPORTER NO. 1 U. S. Services 526 Railroad St. Corona, CA 91720	VEH./CONTAINER NO. 00043878	EPA ID NUMBER C A T 0 8 0 0 3 4 2 5 9
--	---------------------------------------	---

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY	EPA ID NUMBER
--	---------------

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY	EPA ID NUMBER
--	---------------

AREA CODE/PHONE NUMBER	EPA ID NUMBER
------------------------	---------------

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.
HAZARDOUS WASTE, LIQUID N.O.S. ORM E	NA 9189	05000	G	C T 1 3 2	

COMPONENTS	CONC. UPPER	RANGE LOWER	UNITS %	ppm
	Main Component Water		99%	
Salts—Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide				

SPECIAL HANDLING INSTRUCTIONS
EMERX Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

Jim Jisa, Hazardous Waste Coordinator MO. DAY YR.
 PRINTED OR TYPED FULL NAME AND SIGNATURE *Jim Jisa* **10 25 83**
 CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TO BE FILLED IN BY TRANSPORTER
 TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED
CHRIS HARLAND *Chris Harland* MO. DAY YR.
 PRINTED OR TYPED FULL NAME AND SIGNATURE **10 25 83**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED
 PRINTED OR TYPED FULL NAME AND SIGNATURE MO. DAY YR.

TO BE FILLED IN BY TSDF
 DISCREPANCY INDICATION SPACE
 Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions. DATE REC'D & ACCEPTED
 PRINTED OR TYPED FULL NAME AND SIGNATURE EPA ID NUMBER MO. DAY YR.

SERVICE ORDER

U.S.S.I.

U.S. SERVICES INC.

Specialized Services and Transportation

526 Railroad St. • Corona, CA 91720 • (714) 371-1461

No 2845

Shipper: BERMITE WHITTAKER CORP. Date 10-25-65

P.O. NO _____

Billing Address _____

Job Address: 22116 WEST SOLEDAD CANYON ROAD
SAN GAS CALIFORNIA

Origin CORONA CA Destination KETTLEMAN CITY

Commodity CONTAMINATED WATER Out of State NO

Sub-Haul NO

Services Performed _____

No. of Loads 1 Private Property _____ Disposal Site Kettleman Hills

Truck & Trailer No. 150 / 56 Capacity 13 Tons Rate \$ _____ Hr

Start 5:00 AM Stop _____ Grosstime _____

Time Out Explain _____ Net Time _____

Trucking Charge _____ Hrs. @ \$ _____

Driver A. Brown Disposal Fee _____

Co-Driver NONE Wash Out _____

Helper NONE Dump Service Charge _____

Holiday NONE Fuel Surcharge _____

Total Charges _____

Services Received by _____

HAZARDOUS MATERIALS MANAGEMENT SECTION
744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

LAX D38382

(Please print or type with ELITE type 12 characters per inch)

STATE ID NUMBER **8264544**

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Road
Sacramento, Calif. 95815
805-259-2241

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER

C A D 0 6 4 5 7 3 1 0 8 1 2 3 8 5

TRANSPORTER NO. 1
U. S. Services
526 Railroad St.
Corona, CA 91720
714-371-1461

VEH./CONTAINER NO. EPA ID NUMBER

00043878 C A T 10 8 10 10 13 4 2 5 9

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.
HAZARDOUS WASTE, LIQUID N.O.S. ORM E	NA 911819	45000	G		132
COMPONENTS			CONC. UPPER	RANGE LOWER	UNITS % ppm
Main Component Water				99%	
Salts-Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide				1%	

HAZARDOUS WASTE, LIQUID N.O.S.
ORM E

NA 911819

45000

G

132

COMPONENTS CONC. UPPER RANGE LOWER UNITS % ppm

Main Component Water

99%

Salts-Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide

1%

SPECIAL HANDLING INSTRUCTIONS

~~XXXXX~~ Gloves and goggles when handling

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

Jim Jisa, Hazardous Waste Coordinator MO. DAY YR.

PRINTED OR TYPED FULL NAME AND SIGNATURE *Jim Jisa* 10 25 83

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED

CHRIS HARLAND

Chris Harland

PRINTED OR TYPED FULL NAME AND SIGNATURE MO. DAY YR.

10 25 83

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE MO. DAY YR.

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions. DATE REC'D & ACCEPTED

Kevin Terris *Kevin Terris* EPA ID NUMBER MO. DAY YR.
C A T 0 0 0 6 4 6 1 1 7 10 25 83

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

HAZARDOUS MATERIALS MANAGEMENT
SECTION
744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

84.00

(Please print or type with ELITE type (12 characters per inch).)

STATE ID NUMBER 8269243

GENERATOR NAME AND MAILING ADDRESS HERMITE CORP 2216 W Soledad Cyn Rd SACRAMENTO, CA		MANIFEST DOCUMENT NUMBER	
AREA CODE/PHONE NUMBER (505) 2592241		EPA ID NUMBER	
TRANSPORTER NO. 1 U S SERVICES INC. 14168 ORANGE AVE., SUITE D PARAMOUNT, CALIF. 90723 PH. 213-630-1529		VEH./CONTAINER NO. 566	EPA ID NUMBER CA1701081003421519
TRANSPORTER NO. 2/ALTERNATE TSD FACILITY B.K.K. LANDFILL 2210 S AZUSA		EPA ID NUMBER CA1701061717816749	
TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY Kettleman Hills CA		EPA ID NUMBER CA17010006461117	
AREA CODE/PHONE NUMBER			

TO BE FILLED IN BY THE GENERATOR

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.
AMMONIUM PERCHLORATE OXIDIZER	11A42	2500	G	011TC241	
Methylene chloride ORM-A	11593	2500	G	011TC241	
COMPONENTS			CONC. UPPER	RANGE LOWER	UNITS % ppm
AMMONIUM PERCHLORATE & WATER			1	15	W
Methylene chloride			5	4	W

SPECIAL HANDLING INSTRUCTIONS
USE GLOVES & GOGGLES STORE AWAY FROM POWDERED METAL

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE J.P. JOHNSON HAZARDOUS WASTE
MO. DAY YR. 01 05 93
 CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS
DATE REC'D & ACCEPTED
PRINTED OR TYPED FULL NAME AND SIGNATURE
TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS
DATE REC'D & ACCEPTED
PRINTED OR TYPED FULL NAME AND SIGNATURE

TO BE FILLED IN BY TSDF

DISCREPANCY INDICATION SPACE
Less than 1/2% Methylene Chloride
Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.
DATE REC'D & ACCEPTED
PRINTED OR TYPED FULL NAME AND SIGNATURE J.S. CUMI
EPA ID NUMBER CA17010646117
MO. DAY YR. 01 03 82

HAZARDOUS MATERIALS MANAGEMENT SECTION
744 P Street
Sacramento, CA 95814

UNIFORM HAZARDOUS WASTE MANIFEST

(Please print or type with ELITE type (12 characters per inch).)

STATE ID NUMBER **8269243**

GENERATOR NAME AND MAILING ADDRESS

BERMITE CORP
2216 W Soledad CYN Rd SAUGUS

AREA CODE/PHONE NUMBER **(805) 2592241**

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER

CAD06457310812345

TRANSPORTER NO. 1

U S SERVICES INC.

14168 ORANGE AVE., SUITE D

PARAMOUNT, CALIF. 90723

PH. **213-630-1529**

VEH./CONTAINER NO.

56B

EPA ID NUMBER

CAT080034259

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

B.K.K. LANDFILL 2210 S AZUSA

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY

CAD067786749

EPA ID NUMBER

AREA CODE/PHONE NUMBER

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS

UN/NA NUMBER

TOTAL QUANTITY

UNIT WT/VOL

CONTAINER NO. TYPE

WASTE CAT. NO.

AMMONIUM PERCHLORATE OXIDIZER

1442

2500

G

Methylenechloride ORM-A

1593

2500

G

COMPONENTS

CONC. UPPER

RANGE LOWER

UNITS % ppm

AMMONIUM PERCHLORATE & WATER

1

15.5

Methylenechloride

5

4

SPECIAL HANDLING INSTRUCTIONS

use gloves & goggles STORE AWAY FROM powdered METAL

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA.

PRINTED OR TYPED FULL NAME AND SIGNATURE

J.P. JISA HAZARDOUS WASTE COORDINATOR

MO. **01** DAY **03** YR. **83**

CHECK IF CONTINUATION SHEET IS USED. NUMBER OF CONTINUATION SHEETS _____

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPTED

THOMAS E ORTEGA

PRINTED OR TYPED FULL NAME AND SIGNATURE

Thomas E Ortega

MO. DAY YR.

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE MATERIALS

DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

MO. DAY YR.

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous material covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

DATE REC'D & ACCEPTED

PRINTED OR TYPED FULL NAME AND SIGNATURE

EPA ID NUMBER

MO. DAY YR.

TO BE FILLED IN BY THE GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

Stabilizing

REPORT ON SERVICE NUMBER EN9949
November 18, 1983
Corrected 11/21/83

ACCEPTED
NOV 23 1983
PERSONNEL

To: Zoyd Luce
Bermite
Saugus, CA

Analysis: The following samples were submitted for analysis:
Three bulk samples for phosphate, sulfate and lead.

Method: METALS
The sample was analyzed as specified above for lead. A weighed aliquot of the bulk material was digested, dissolved and diluted to a known volume. The quantity of the metal of interest was determined by atomic absorption spectroscopy. The absorbance readings for each sample were compared to a calibration curve obtained from standard metal solutions.

PHOSPHATE
The phosphate was extracted from the bulk with hot distilled water and the extract was reacted with sodium molybdate and hydrazine sulfate. The absorbance of the resulting solutions was determined spectrophotometrically at 830 nm. The absorbance readings produced by each sample were compared to a calibration curve obtained from standard phosphate solutions.

SULFATE
The sulfate was extracted from each bulk with an alcohol and water mixture. The extract was titrated against barium perchlorate with Thorin as the indicator. The absorbance readings for each sample were compared to a calibration curve obtained from standard sulfate solutions.

HG RB

Page 2 EN9949
Bermite
November 18, 1983

Results:	Sample Number	Compound	Concentration ppm
	background	phosphate	ND(2)
		sulfate	350
		lead	21
	01	phosphate	ND(2)
		sulfate	460
		lead	14
	02	phosphate	ND(2)
		sulfate	470
		lead	19

Discussion: ND() indicates none of the substance was detected, with a detection limit shown in the parentheses.

Laboratory data are filed and available upon request.

Submitted by: Robert N. Hager, Jr. Ph.D.
Laboratory Director

RNH/nl

cc: John Peloquin
Al Simmons

DATA SHEET

HAGER LABORATORIES, INCORPORATED

ANALYTICAL SERVICES FOR INDUSTRY

SERVICE NUMBER _____

PART I

SAMPLES SUBMITTED BY:

INVOICE SAME or TO: †

Company Name BERMITE

Address 22116 W. SOLEDAD CANYON RD
SAVING, CA 91350

Contact MR. ZOYD LUCE

Telephone 213-367-2225

Purchase Order No. _____

Send REPLACEMENT SAMPLERS (included in analysis fee)

To Above To: † Omit

NA

Other special requirements on ^{CC} reports, billing, or replacement samplers:

JOHN J. PELOQUIN

MR. AL SIMMONS

PO BOX 708

RICHARD SON TX 75080

PART II DESCRIPTION OF SAMPLES

Mailed in _____ on _____
(number mailers/boxes) (date)

Charcoal Tubes: Mfg. _____ Lot No. _____

Membrane Filters: Mfg's No. or material & pore size _____

Impinger Solutions: _____

2 Bulk Samples: SOIL } Analyze for total
Phosphorous, sulfate, lead

1 Other: BULK BACKGROUND

Sampling Conditions: Elevation 2000 feet above sea level; approx. air temp. _____ °F

BERMITE 10/83/01 - EAST SIDE PHOS. STAB. LAGOON 3 FEET DEEP

BERMITE 10/83/02 - WEST SIDE PHOS STAB. LAGOON 2 1/2 FEET DEEP
(Continued - Over)

SAMPLE TAKEN 10/31/83 at ~1400 HRS PST by John J. Peloguin

RECEIVED

NOV 21 1983

PERSONNEL

REPORT ON SERVICE NUMBER EN9949
November 18, 1983 (7)

To: Zoyd Luce
Bermite
Saugus, CA

Analysis: The following sample was submitted for analysis:
One bulk sample for phosphate, sulfate and lead.

Method: METALS
The sample was analyzed as specified above for:
lead.
A weighed aliquot of the bulk material was digested,
dissolved and diluted to a known volume. The quantity
of the metal of interest was determined by atomic
absorption spectroscopy. The absorbance readings for
each sample were compared to a calibration curve
obtained from standard metal solutions.

PHOSPHATE

The phosphate was extracted from the bulk with hot
distilled water and the extract was reacted with
sodium molybdate and hydrazine sulfate. The
absorbance of the resulting solutions was determined
spectrophotometrically at 830 nm. The absorbance
readings produced by each sample were compared to a
calibration curve obtained from standard phosphate
solutions.

SULFATE

The sulfate was extracted from each bulk with an
alcohol and water mixture. The extract was titrated
against barium perchlorate with Thorin as the
indicator. The absorbance readings for each sample
were compared to a calibration curve obtained from
standard sulfate solutions.

Page 2 EN9949
Bermite
November 18, 1983

Results:	Sample Number	Compound	Concentration ppm
		background phosphate	ND(2)
		sulfate	350
		lead	21
	01	phosphate	ND(2)
		sulfate	460
		lead	14
	02	phosphate	ND(2)
		sulfate	470
		lead	19

Discussion: ND() indicates none of the substance was detected, with a detection limit shown in the parentheses.

Laboratory data are filed and available upon request.

Submitted by: Robert N. Hager, Jr. Ph.D.
Laboratory Director

RNH/nl

cc: John Peloquin
Al Simmons

PARAMETER	METHOD	REFERENCE
Nickel [8.57]		
	Atomic absorption, direct aspiration method	1-7520
	Atomic absorption, furnace method	1-7521
Osmium (reserved)		
	Atomic absorption, direct aspiration method	1-7550
	Atomic absorption, furnace method	1-7551
Selenium [8.59]		
	Atomic absorption, direct aspiration method	1-7740
	Atomic absorption, furnace method	1-7741
Silver [8.60]		
	Atomic absorption, direct aspiration method	1-7760
	Atomic absorption, furnace method	1-7761
Thallium (reserved)		
	Atomic absorption, direct aspiration method	1-7840
	Atomic absorption, furnace method	1-7841
Vanadium (reserved)		
	Atomic absorption, direct aspiration method	1-7910
	Atomic absorption, furnace method	1-7911
Zinc (reserved)		
	Atomic absorption, direct aspiration method	1-7950
	Atomic absorption, furnace method	1-7951

Organic Analytical Methods:

Gas Chromatographic Methods

Halogenated Volatile Organics	1-8010
Non-halogenated Volatile Organics	1-8015
Aromatic Volatile Organics	1-8020
Acrolein, Acrylonitrile, Acetonitrile	1-8030
Phenols	1-8040
Phthalate Esters	1-8060
Organochloride Pesticides and PCB's	1-8080
Nitroaromatics and Cyclic Ketones	1-8090
Polynuclear Aromatic Hydrocarbons	1-8100
Chlorinated Hydrocarbons (including PCB's)	1-8120
Organophosphate Pesticides	1-8140
Chlorinated Herbicides	1-8150

The above referenced procedures are described in the following publications. The first digit of the reference numbers above are keyed to the numbers shown below:

- 1- "Test Methods for Evaluating Solid Waste," SW-846, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, D.C. 20406, 2nd Edition, 1982.
- 2- CAC Title 22, Division 4, Chapter 30, Article 11, § 66700.

BERMITE

#9

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117



February 20, 1985

Mr. Mel Knight
Department of Health Services
107 South Broadway
Los Angeles, California 90012

Dear Mr. Knight:

The attached Annual Hazardous Waste Report is forwarded for your review and action. Insure review of Appendix I "Closure Cost Estimate" and attached Closure Plan. The Closure Plan has been revised. All previously furnished Closure Plan copies should be replaced by this revision.

Should you have any questions or require additional information, please contact Thomas J. Bloom, Manager, Environmental Health and Safety (805) 259-2241.

Sincerely,

A handwritten signature in cursive script, appearing to read "Thomas J. Bloom".

Thomas J. Bloom, Manager
Environmental Health and Safety

TJB/l dh

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117



ANNUAL REPORT

- A) EPA Identification Number CAD064573108
Bermite Division, Whittaker Corporation
22116 W. Soledad Canyon Road
Saugus, California 91350
- B) Calendar year covered by this report: 3/1/84 thru 2/28/85.
- C) See attached copy.
- D) See attached copy.
- E) Monitoring data where required: None required.
- F) The most recent Closure Cost Estimate: See attachment Appendix I.
- G) In certify under penalty of law that I have personally examined and I am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

A handwritten signature in cursive script that reads 'Rodney Muse CCP'. The signature is written over a horizontal line.

Rodney Muse CCP
Vice President of Human Resources

<u>WASTE</u>	<u>QUANTITY</u>	<u>TREATMENT</u>	<u>STORAGE</u>	<u>DISPOSAL</u>
Water, Sodium Carbonate, Lead Carbonate, Sodium Chloride, Aluminum Oxide	5000 gallons	Neutralization/ dilution	Tank	Class I Landfill
Water, Aliphatics and Oil, Acetone, MEK	4800 gallons	Solidification	Drum	Class I Landfill
18 ea. Transformers UN 2315 Waste polychlorinated biphenyls	15,000 lbs.	Incineration	Containment	Class I Site Arkansas
1 ea. drum (55 gal.) UN2315	500 lbs.			

NOTE: Above materials have been shipped to approved disposal facilities.
See attached Hazardous Waste Manifests

HAZARDOUS WASTE MANAGEMENT BRANCH

UNIFORM HAZARDOUS WASTE MANIFEST

1474 744 Street
Sacramento, CA 95814

STATE ID NUMBER **83555374**

Please print or type with ELITE type (12 characters per inch).

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Road
Saugus, CA 91350
AREA CODE/PHONE NUMBER **(805) 259-2241**

MANIFEST DOCUMENT NUMBER
EPA ID NUMBER
Q A D Q 6 4 5 7 3 1 0 8 1 1 1

TRANSPORTER NO. 1
California Chemical Disposal
1815 East O Street
Willington, CA
(213) 834-8077

VEH/CONTAINER NO. EPA ID NUMBER
0 0 0 4 3 7 9 6 C A D 9 8 0 7 3 5 3 1

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

VEH/CONTAINER NO. EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY
Casmalia Resources
NTU Road
EEE Casmalia, CA 93429
AREA CODE/PHONE NUMBER **(805) 937-8449**

EPA ID NUMBER
C A D 0 2 0 7 4 8 1 2

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS
HAZARDOUS WASTE, LIQUID NOS
ORM X

UN/NA NUMBER TOTAL QUANTITY UNIT WT/VOL CONTAINER NO. TYPE WASTE CAT. NO. ME
NA 9 1 8 9 0 5 1 0 1 0 G C I T 1 3 2

COMPONENTS
MAIN COMPONENT - WATER
SALTS, SODIUM CARBONATE, LEAD CARBONATE, SODIUM CHLORIDE,
ALUMINUM OXIDE

CONC. RANGE UPPER LOWER UNITS % PPM
99 X
1 X

SPECIAL HANDLING INSTRUCTIONS
WEAR GLOVES AND GOGGLES WHEN HANDLING

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.

Printed or typed full name and signature **J. P. JISA, HAZARDOUS WASTE KINSEY ENGINEER**
MO. **0 5** DAY **0 8** YR. **8 1 4**

Check if continuation sheet is used. Number of continuation sheets

TO BE FILLED IN BY GENERATOR

TO BE FILLED IN BY TRANSPORTER

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature DATE REC'D & ACCEPTED

MO. DAY YR.

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Printed or typed full name and signature DATE REC'D & ACCEPTED

MO. DAY YR.

DISCREPANCY INDICATION SPACE

TO BE FILLED IN BY TSDF

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

Printed or typed full name and signature

DATE RECEIVED & ACCEPTED
EPA ID NUMBER MO. DAY YR.

STATE ID NUMBER **83555374**

Print or type with ELITE type (12 characters per inch).

GENERATOR NAME AND MAILING ADDRESS Bornite Division of Whittaker Corporation 22116 W. Soledad Canyon Road Saugus, CA 91350 AREA CODE/PHONE NUMBER (805) 259-2241	MANIFEST DOCUMENT NUMBER 0400045731001339
	EPA ID NUMBER CA0920748125

TRANSPORTER NO. 1 California Chemical Disposal 1815 East O Street Willington, CA (213) 834-8077	VEH/CONTAINER NO. 0004379	EPA ID NUMBER CA0920748125
---	-------------------------------------	--------------------------------------

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY (Blank)	VEH/CONTAINER NO. (Blank)	EPA ID NUMBER (Blank)
---	------------------------------	--------------------------

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY Carmelia Resources MTU Road KIE Carmelia, CA 93429 AREA CODE/PHONE NUMBER (805) 937-8449	EPA ID NUMBER CA0920748125
--	--------------------------------------

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.	DISP METH
HAZARDOUS WASTE, LIQUID SOL	NA 2132	05 DDD	6	1	132	06

COMPONENTS	CONC. RANGE		UNITS	
	UPPER	LOWER	%	PPM
MAIN COMPONENT - WATER			99	X
SALTS, SODIUM CARBONATE, LEAD CARBONATE, SODIUM CHLORIDE, ALUMINUM OXIDE			1	X

SPECIAL HANDLING INSTRUCTIONS
WEAR GLOVES AND GOGGLES WHEN HANDLING

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.

Printed or typed full name and signature **J. P. JIRA, HAZARDOUS WASTE SENIOR ENGINEER**

Check if continuation sheet is used. Number of continuation sheets

BY TRANSPORTER	TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES FERNANDO SANBOUNG Printed or typed full name and signature	DATE REC'D & ACCEPTED 05 07 84
	TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES 06/c Printed or typed full name and signature	DATE REC'D & ACCEPTED (Blank)

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSD Facility must complete waste number.

Carmelia Resources
Alice Griest
 Printed or typed full name and signature **Alice Griest**

EPA ID NUMBER **CA0920748125**

DATE RECEIVED & ACCEPTED
05 09 84

UNIFORM HAZARDOUS WASTE MANIFEST

STATE ID NUMBER **83555316**

Please print or type with ELITE type (12 characters per inch).

4800
38,400

File

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Road
Saugus, CA 91350
 AREA CODE/PHONE NUMBER **805-259-2241**

MANIFEST DOCUMENT NUMBER
 EPA ID NUMBER
CA1D010645731081239

TRANSPORTER NO. 1
EX California Chemical Disposal
1815 E. O Street
Wilmington, CA 213-834-8077

VEH/CONTAINER NO.
 EPA ID NUMBER
99943796 CA1D980735311

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

VEH/CONTAINER NO.
 EPA ID NUMBER

TREATMENT, STORAGE, OR DISPOSAL (TSD) FACILITY
Chemical Waste Management Inc.
35251 Old Skyline Rd.
Kettleman City, CA 93239
 AREA CODE/PHONE NUMBER **209-386-9711**

EPA ID NUMBER
CA1T000646111

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.	DIAGNOSIS
HAZARDOUS WASTE FOR LIQUID, NOS	009189	04800	G	001 CT	343	9
HAZARDOUS WASTE FOR LIQUID, NOS						
ORM E						

COMPONENTS	CONC. RANGE		UNITS	
	UPPER	LOWER	%	PPM
Water	90.0		X	
Aliphatics & Oil	5.0		X	
Acetone	2.5		X	
MKX	2.5		X	

SPECIAL HANDLING INSTRUCTIONS
Wear gloves and goggles while handling

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.
 Printed or typed full name and signature **J. P. Jisa, Hazardous Waste Engineer**
 MO: **06** DAY: **05** YR: **84**

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
Don Thomas
 Printed or typed full name and signature: **Don Thomas**
 DATE REC'D & ACCEPTED: **06/06/84**

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES
 Printed or typed full name and signature: _____
 DATE REC'D & ACCEPTED: _____

DISCREPANCY INDICATION SPACE
Container No 001
 Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number.
 See instructions
 Printed or typed full name and signature: **Don Robinson**
 EPA ID NUMBER: **CA1T010106461117**
 MO: **06** DAY: **05** YR: **84**

TO BE FILLED IN BY GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

Please print or type with ELITE type (12 characters per inch).

STATE ID NUMBER **83555316**

GENERATOR NAME AND MAILING ADDRESS
Bermite Division of Whittaker Corporation
22116 W. Soledad Canyon Road
Saugus, CA 91350
 AREA CODE/PHONE NUMBER **805-259-2241**

MANIFEST DOCUMENT NUMBER
 EPA ID NUMBER
CAD064573108123

TRANSPORTER NO. 1
EX California Chemical Disposal
1815 E. O Street
Wilmington, CA 213-834-8077

VEH./CONTAINER NO. **00043796**
 EPA ID NUMBER
CAD9807353

TRANSPORTER NO. 2/ALTERNATE TSD FACILITY

VEH./CONTAINER NO.
 EPA ID NUMBER

TREATMENT, STORAGE OR DISPOSAL (TSD) FACILITY
Chemical Waste Management Inc.
35251 Old Skyline Rd.
Kettleman City, CA 93239
 AREA CODE/PHONE NUMBER **209-386-9711**

EPA ID NUMBER
CIAT0006461

PROPER U.S. D.O.T. SHIPPING NAME AND HAZARD CLASS	UN/NA NUMBER	TOTAL QUANTITY	UNIT WT/VOL	CONTAINER NO.	WASTE CAT. NO.
HAZARDOUS WASTE FOR LIQUID, NOS	009189	04800	G		CT343
Flammable ORM E					

COMPONENTS	CONC. RANGE		UNITS
	UPPER	LOWER	
Water	90.0		X
Aliphatics & Oil	5.0		X
Acetone	2.5		X
MEK	2.5		X

SPECIAL HANDLING INSTRUCTIONS
Wear gloves and goggles while handling

This is to certify that the above-named wastes are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable requirements of the Department of Transportation and the EPA.

Printed or typed full name and signature **J. P. Jisa, Hazardous Waste Engineer**

Check if continuation sheet is used. Number of continuation sheets

MO **06** DAY **05** YR **8**

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES	DATE REC'D & ACCEPTED	MO	DAY	YR
	Don Thomas	WO 1433	06	06
TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF ABOVE WASTES	DATE REC'D & ACCEPTED	MO	DAY	YR

DISCREPANCY INDICATION SPACE

Facility owner or operator: Certification of receipt of hazardous waste covered by this manifest except as noted in the discrepancy indication space above. Note: TSDF must complete waste number. See instructions.

Printed or typed full name and signature

EPA ID NUMBER

MO DAY YR

TO BE FILLED IN BY GENERATOR

TO BE FILLED IN BY TRANSPORTER

TO BE FILLED IN BY TSDF

Calif. =

No 1633

Chemical

Disposal Inc.

1815 EAST O STREET
WILMINGTON, CA 90744
(213) 834-8077

202

Customer's Order No.		315		Date		6-6		1984	
Name		Whittaker Corp - BERMITE							
Address		2216 Soledad CYNARD SQUAS CA							
SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RETD.	PAID OUT	LAYAWAY		
QUAN.	DESCRIPTION				PRICE	AMOUNT			
1	LOAD HAZARDOUS WASTE Liquid TO BE DUMP AT KETTLE MAN HILLS								
<i>Jim Jim</i>									
MANIFEST NO 8355316									
All claims and returned goods MUST be accompanied by this bill.						TAX			
Received By						TOTAL			



member, ENSCO group

1015 Louisiana St.
Little Rock, AR 72202

February 04, 1985

Jim Jisa
Bermit Corporation
22116 West Solidad Canyon
Saugus, CA

NOTICE

Enclosed is a Certification of Transformer Decommissioning, signed by an ENSCO Corporate Officer, certifying the proper processing and disposal of your PCB transformers.

Thank you for your confidence in ENSCO. We appreciate the opportunity to provide complete PCB services to Bermit Corporation.

ENSCO also provides hazardous waste services for RCRA waste materials. For more information or answers to questions, please call your ENSCO representative or Eric Wimmer, Supervisor/Sales Administration.

HAZARDOUS WASTE MANIFEST

ORIGINAL - NOT NEGOTIABLE

TND 18-00863
13-00254
MANIFEST DOCUMENT NUMBER
42042
SHIPPER NUMBER
CARRIER NUMBER

ENSCO INC.

NAME OF CARRIER

(SCAC)

CARRIER NUMBER

IDENTIFICATION

GENERATOR SHIPPER	12 DIGIT EPA ID #	COMPANY NAME, MAILING ADDRESS, AND TELEPHONE NUMBER	DATE SHIPPED OR RECEIVED
XXX TRANSPORTER # X1 XXX	CAD 064573108	Bermite Div of Schlumberger 22116 W. Soledad Cyn Rd. Saugus, Ca 91350 Ph (805) 2592241	
TRANSPORTER # X1 XXX	ARD 069748192	ENSCO INC. AMERICAN RD EL DORADO ARK 71730 50178637173	
TSDF TREATMENT STORAGE OR DISPOSAL FACILITY	TND980729305	AMERICAN INDUSTRIAL WASTE Industrail Drive White Bluff, TN	
TSDF TREATMENT STORAGE OR DISPOSAL FACILITY		RETURN TO GENERATOR	

WASTE INFORMATION

NO. OF UNITS & CONTAINER TYPE	HM	EPA HAZ WASTE ID #	DESCRIPTION AND CLASSIFICATION (Proper Shipping Name, Class and Identification Number per 172.101, 172.202, 172.203)	UN # or NA #	EXEMPTION OR NO LABELS REQUIRED	FLASH POINT (IN °C) WHEN REQ'D	UNITS WT/VOL	TOTAL QUANTITY	RATE	CHARGES (For Carrier Use Only)
TRANSFORMERS	PCB		WASTE POLYCHLORINATED BIPHENYLS ORM-E RQ 10-4, 5A DRUM (55GA)	UN2315	YES			15,000 LBS EST		
				UN2315	YES			500 LBS		

SPECIAL HANDLING INSTRUCTIONS

DIKE AND CONTAIN IN CASE OF SPILL
COMMENTS AVOID CONTACT WITH SKIN

If an RQ commodity is spilled on a waterway or adjoining land, the incident must be promptly reported to the Federal government at 1-800-424-8802 (toll free) or 202-426-2675 (toll call). If other DOT Hazardous Materials are discharged creating a serious situation, call shipper's telephone number or Chemtrec 1-800-424-9300 immediately.

On "Collect on Delivery" shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

PLACARDS TENDERED

Yes No

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$

C.O.D. FEE: PREPAID COLLECT

TOTAL CHARGES: \$

FREIGHT CHARGES

FREIGHT PREPAID except when box in right is checked Check box if charges are to be contact

Note - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight."

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or

any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CERTIFICATION

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the U.S. Environmental Protection Agency

This is to certify acceptance of the hazardous waste shipment
Richard D. [Signature] 08/05/84 (19)

TRANSPORTER #1 SIGNATURE & DATE TRANSPORTER #2 SIGNATURE & DATE (if required)

This is to certify acceptance of the hazardous waste for treatment, storage or disposal.

GENERATOR'S SIGNATURE: [Signature] DATE: 8-7-84

TSDF SIGNATURE: [Signature] DATE: August 13, 1984

HAZARDOUS WASTE MANIFEST

MANIFEST DOCUMENT NUMBER

42041

SHIPPER NUMBER

ENSCO INC.

NAME OF CARRIER

(SCAC)

CARRIER NUMBER

IDENTIFICATION

HAZARDOUS WASTE	12 DIGIT EPA ID #	COMPANY NAME, MAILING ADDRESS, AND TELEPHONE NUMBER	DATE SHIPPED OR RECEIVED
HAZARDOUS WASTE	657710X	Beumite Iron Refining	
		22116 W. Solon Rd. Solon, Ohio 41350	
SHIPPER'S USE ONLY	ARO 657710X	ENSCO INC. AMERICAN RD. EL DORADO ARK 71730	5/11/84
TREATMENT, STORAGE OR DISPOSAL FACILITY	IND980729305	AMERICAN INDUSTRIAL WASTE Industrial Drive White Bluff, TN	
TREATMENT, STORAGE OR DISPOSAL FACILITY		RETURN TO GENERATOR	

WASTE INFORMATION

HAZARDOUS WASTE	EPA HAZ WASTE ID #	DESCRIPTION AND CLASSIFICATION (Proper Shipping Name, Class and Identification Number per 172.101, 172.202, 172.203)	UN # or NA #	EXEMPTION OR NO LABELS REQUIRED	FLASH POINT (IN °C) WHEN REQ'D	UNITS WTNOL	TOTAL QUANTITY	RATE	CHARGES (For Carrier Use Only)
WASTE	PCB	WASTE POLYCHLORINATED BIPHENYLS ORM-E RR 10-4.54 DRUM (55GA)	UN2315	YES			15,000 LBS EST		
			UN2315	YES			500 LBS		

SPECIAL HANDLING INSTRUCTIONS

DIKE AND CONTAIN IN CASE OF SPILL
 COMMENTS: AVOID CONTACT WITH SKIN

If an RO commodity is spilled on a waterway or adjoining land, the incident must be promptly reported to the Federal government at 1-800-424-8802 (toll free) or 202-426-2675 (toll call). If other DOT Hazardous Materials are discharged creating a serious situation, call shipper's telephone number or Chemtrec 1-800-424-9300 immediately.

PLACARDS TENDERED

Yes No

"Collect on Delivery" shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 171.103.

O.D. TO ADDRESS Signature: _____ (Signature of Consignor)	COD Amt: \$ _____ Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$ _____ TOTAL CHARGES: \$ _____ FREIGHT PREPAID EXCEPT WHEN BOX IS CHECKED <input type="checkbox"/> Check box if charges are to be correct
---	---	---

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as including any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or

any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
 Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CERTIFICATION

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the U.S. Environmental Protection Agency.

This is to certify acceptance of the hazardous waste shipment.
 TRANSPORTER #1 SIGNATURE & DATE: Richard Williams 4-7-84
 TRANSPORTER #2 SIGNATURE & DATE (if required): _____
 This is to certify acceptance of the hazardous waste for treatment, storage or disposal.

GENERATOR'S SIGNATURE: Richard Williams DATE: 4-7-84

TSDF SIGNATURE: _____ DATE: _____

4

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
805/259-2241 213/629-1403
TWX 910-336-1117

Whittaker

February 20, 1985

Mr. Mel Knight
Department of Health Services
107 South Broadway
Los Angeles, California 90012

Dear Mr. Knight:

The attached Closure Plan has been changed to reflect current evaluation of costs related to the closure of this facility. All copies of Closure Plan forwarded for your review and file should be deleted from your file and replaced with this current plan.

Should you require additional information or have any questions, please contact Thomas J. Bloom, Manager, Environmental Health and Safety (805) 259-2241.

Sincerely,



Thomas J. Bloom, Manager
Environmental Health and Safety

TJB/ldh



BERMITE DIVISION

PAGE:	1 of 4	NO.		REV.	A
EFF. DATE:	3/1/85	PREPARED BY:	Z. Luce		
SUBJECT:		APPROVED:			

COMPANY CONFIDENTIAL
CLOSURE PLAN

I. PURPOSE

The purpose of this document is to provide a CLOSURE and POST CLOSURE PLAN for the Bermite Division, Whittaker Corporation. The plan insures (a) minimum need for maintenance and (b) control to minimize or eliminate post-closure escape of hazardous waste, leachate, waste decomposition products to the ground water, surface water, or to the atmosphere, to the extent needed to protect human health and the environment.

II. PROCEDURE

- A. Employees terminating the employ of Bermite Division are requested, during the exit interview process, to provide knowledge of safety or environmental problems. Information provided is investigated to verify accuracy and take corrective action, if required.
- B. Ninety days prior to closure, all types of waste on hand will be inventoried, classified and categorized in writing. This will be done through a comprehensive audit of all waste stored at Bermite at the time closure is determined. The results of this audit will be compared to our historical records to assure the accuracy of our master list generated as a result of our inventory.
 - 1. The decontamination procedure will be very complex and time consuming. Listed below are the general areas of concern and the basic decontamination procedures. The exact procedures will be determined by the type of material, type of building and the location.
 - a. Buildings that have contained oxidizers either in storage or processes, will have to have the following done:
 - (1) Sweep overhead and floors.
 - (2) Hose building down. (Capture water if contaminated.)
 - (3) Wet sidewalks and remove panels. Clean all material trapped in the wall spaces.
 - (4) All contaminated panels shall be dried and a determination made as to whether or not they represent a hazard, before disposition for their disposal is made.
 - (5) HAZARDS: FIRE
 - B. Magazines
 - (1) Sweep and hose down. (Capture water if contaminated.)

- (2) Magazines will routinely be sold to other manufacturers.
 - (3) All magazines to be examined before sale or transfer is made.
 - (4) HAZARDS: FIRE OR EXPLOSION DEPENDING ON THE TYPE OF CONTAMINATION.
- c. Buildings that may have had Photoflash or Flash Powder operations in them.
- (1) Sweep overhead and floors.
 - (2) Hose down walls and floors (capture water if contaminated).
 - (3) Wet wall panels and remove.
 - (4) Dry and burn contaminated panels.
 - (5) All material will be examined before final disposition for disposal is made.
 - (6) HAZARDS: FIRE AND EXPLOSION.
- d. Melt pour operations waste residual.
- (1) Sweep floors.
 - (2) Steam all walls, overhead and floors.
 - (3) Steam all tools, ovens and kettles.
 - (4) All material to be examined before final disposition for disposal is made.
 - (5) HAZARDS: TOXIC FUMES, EXPLOSION, DERMATITIS
- e. NOTE: All water from washing and streaming should go into a sump and filter preparatory to being sampled for contamination. The explosive particles should be burned, neutralized or detonated in accordance with DoD guidelines. The water, if colored, should go to a chemical disposal site after laboratory tests have been performed.
- f. Primary Explosives.
- (1) Some of the primary explosives may be decontaminated at the site, but not all. Some cannot be detected visually. The only sure way is listed below.
 - (a) Wet building and area.
 - (b) Very carefully disassemble the building.
 - (c) Remove all components to a safe holding area while determination on the proper disposal or transfer of waste is determined.
 - (d) Take ground samples to determine if the ground is contaminated.
 - (e) Contaminated earth would have to be disposed of in accordance with state-of-the-art methodology.

- (f) All material shall be examined before disposition for disposal is made.
- (g) HAZARDS: EXTREME EXPLOSION HAZARD.
- g. Propellant Buildings
- (1) Sweep area.
 - (2) Hydroblast all contaminated areas.
 - (3) Filter all water and burn propellant particles.
 - (4) Flash the area after hydroblasting.
 - (5) All material shall be examined before disposition for disposal is made.
 - (6) HAZARDS: FIRE, TOXIC SMOKE.
- h. Press buildings, presses, mix buildings and mixers.
- (1) Sweep building and overhead.
 - (2) Flush equipment and building with water. Filter the water.
 - (3) Flash the building and equipment.
 - (4) Burn any material from the filters.
 - (5) All material shall be examined before disposition for disposal is made.
 - (6) HAZARDS: FIRE, EXPLOSION, TOXIC SMOKE.
- C. A general plan for decontamination of buildings and equipment shall be developed and followed before decontamination begins. Each plan will be written up on Bermite's SSP form.
- D. Ground water monitoring may be established in areas known to have been suspect because of their proximity to certain operations. The following actions will be taken at each site where waste has been stored or processed to make such determination prior to plant closure.
1. Soil samples will be taken for analysis from all disposal sites. If contamination is found, tests will be run and a plan of action developed.
 2. Of necessary, soil will be removed and other state-of-the-art technology applied.
- E. Hazardous waste remaining at the facility will be treated or disposed of in any one, or combination of the following procedures:
1. Hard ordnance will be shipped to a defense facility for disposal in accordance with current DoD regulations.
 2. Propellant, if any, will be shipped to a defense facility for burning.

3. Toxic and corrosive materials will be packaged as per DOT regulations and shipped to an authorized disposal site.
 4. Recyclable solvents will be sold to a contractor for reclamation.
- F. (Areas which cannot be decontaminated will be secured by fencing, walls or covers, which will insure the undisturbed integrity of components while a plan of action is determined.)

III. NOTICE TO LOCAL APPROPRIATE AUTHORITIES

- A. Within 90 days after closure, the Department of Occupational Health Services for the State of California will receive a survey plot plan indicating location of disposal areas with respect to permanently surveyed benchmarks. This will be done by a certified engineer. Within 90 days after closure, proper notations will be made on the deed to the property that the land has, as a byproduct of production activities, has hazardous waste stored and treated at this facility. A fully developed plan of action, using Bermite disposal and decontamination guidelines will be developed for review with the appropriate governmental agencies.

IV. FINANCIAL REQUIREMENTS

- A. Statement of financial responsibility is included in Appendix A.
- B. The areas where Bermite has stored and treated hazardous waste are listed below as well as an estimated cost for decontamination.
1. Magazines. It is unlikely that the magazines where waste is stored prior to or following processing will be contaminated. However, an estimated cost of \$20,000 will be dedicated to cleanup and assure that no hazard exists before they are sold, stored or transferred.
 2. The liquid waste facility adjacent to Building 317. Estimated closure cost and dismantling of same: \$100,000.00.
 3. Phosphorus stabilizing operation. Estimated closure cost: \$25,000.00
 4. Lead azide wash and dry area. Estimated closure cost: \$40,000.00.
 5. Burn area. Estimated closure cost: \$50,000.00.

APPENDIX A

STATEMENT OF FINANCIAL RESPONSIBILITY

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
213/629-1403 805/259-2241
Telex 651436

Whittaker

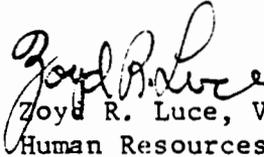
March 29, 1983

Thomas C. Jones, Acting Chief
Permits, Surveillance and Enforcement Section
Hazardous Waste Management Branch
714 P. Street, Room 550
Sacramento, Ca. 95814

Dear Mr. Jones:

Attached is written evidence demonstrating sufficient financial resources to cover the closing of Bermite, should such an eventuality occur, in accordance with our closure plan.

Very truly yours,


Zoyd R. Luce, Vice President
Human Resources

cc: John A. Hinton, P. E.
Regional Administrator, Southern Region
Permits, Surveillance and Enforcement Section
Hazardous Waste Management Branch
Department of Health Services
107 South Broadway, Room 7128
Los Angeles, Ca. 90012



Legal Department
Whittaker Corporation
10880 Wilshire Boulevard
Los Angeles, California 90024
213/475-9411

File Number _____

June 23, 1982

Regional Administrator Environmental
Protection Agency

Region 1
John F. Kennedy Building
Boston, Massachusetts 02203

Re: Closure Cost Estimates for Facilities
with Hazardous Waste

Gentlemen:

I am the chief financial officer of Whittaker Corporation, located at 10880 Wilshire Boulevard, Los Angeles, California. This letter is in support of this firm's use of the financial test to demonstrate financial assurance, as specified in Subpart H of 40 CFR Parts 264 and 265.

1. This corporation is the owner or operator of the following facilities for which financial assurance for closure or post-closure care is demonstrated through the financial test specified in Subpart H of 40 CFR Parts 264 and 265. The current closure and/or post-closure cost estimates covered by the test are shown for each facility:

- (1) Haynes Division
Massachusetts Industrial Park
Chicopee, Massachusetts 01020
EPA Identification No.: MAD001113802
Closure Cost Estimate: \$11,000.00
- (2) Providence Division
King Philip Road
East Providence, Rhode Island 02914
EPA Identification No.: RID093214641
Closure Cost Estimate: \$13,335.00
- (3) Colton Coatings and Chemicals
1231 South Lincoln Street
Colton, California 92324
EPA Identification No.: CAD 044331999
Closure Cost Estimate: \$20,000.00

- (4) Los Angeles Chemicals Division
(RAM)
210 East Alondra
Gardena, California 90248
EPA Identification No.: CAD 071911051
Closure Cost Estimate: \$12,000.00
- (5) Bauer Division
1021 North Mission Road
Los Angeles, California 90033
EPA Identification No.: CAD 083024141
Closure Cost Estimate: \$20,000.00
- (6) Decatur Division
Decatur Industrial Park
Decatur, Alabama 35602
EPA Identification No.: ALD 053360897
Closure Cost Estimate: \$12,000.00
- (7) Dayton Division
10 S. Electric Street
West Alexandria, Ohio 45381
EPA Identification No.: OHD 045566098
Closure Cost Estimate: \$11,000.00
- (8) Batavia Division
1500 Lathem Street
Batavia, Illinois 60510
EPA Identification No.: ILD 095309647
Closure Estimate: \$25,000.00
- (9) Wooster Division
Spruce Street Extension
Wooster, Ohio 44691
EPA Identification No.: OHD054666284
Closure Cost Estimate: \$14,500.00
- (10) North Brunswick Division
1430 Jersey Avenue
North Brunswick, New Jersey 08902
EPA Identification No.: NJD091394437
Closure Cost Estimate: \$16,500.00
- (11) Trojan Yacht Division
Old Field Point Road
Elkton, Maryland 21921
EPA Identification No.: MDD059172221
Closure Cost Estimate: \$20,000.00

(12) Trojan Yacht Division
167 Greenfield Road
Lancaster, Pennsylvania 17603
EPA Identification No.: PAD052922556
Closure Cost Estimate: \$20,000.00

(13) Bermite Division
22116 West Soledad Canyon Road
Saugus, California 91350
EPA Identification No.: CAD 064573108
Closure Cost Estimate: \$235,000.00

2. This firm guarantees, through the corporate guarantee specified in Subpart H of 40 CFR Parts 264 and 265 the closure or post-closure care of the following facilities owned or operated by subsidiaries of this corporation. The current cost estimates for the closure or post-closure care so guaranteed are shown for each facility:

Whittaker General Scientific a division
of Whittaker General Medical Corporation
8741 Landmark Road
Richmond, VA 23228
EPA Identification No.: EAD 00766113
Current Closure Cost Estimate: \$1,000.00

3. In States where EPA is not administering the financial requirements of Subpart H of 40 CFR Parts 264 and 265, this firm, as owner or operator or guarantor, is demonstrating financial assurance for the closure or post-closure care of the following facilities through the use of a test equivalent or substantially equivalent to the financial test specified in Subpart H of 40 CFR Parts 264 and 265. The current closure and/or post-closure cost estimates covered by such a test are shown for each facility:
NONE.

4. This firm is the owner or operator of the following hazardous waste management facilities for which financial assurance for closure or, if a disposal facility, post-closure care, is not demonstrated either to EPA or a State through the financial test or any other financial assurance mechanism specified in Subpart H of 40 CFR Parts 264 and 265 or equivalent or substantially equivalent State mechanisms. The current closure and/or post-closure cost estimates not covered by such financial assurance are shown for each facility: NONE.

This firm is required to file a Form 10K with the Securities and Exchange Commission (SEC) for the latest fiscal year.

The fiscal year of this firm ends on October 31. The figures for the following items marked with an asterisk are derived from this firm's independently audited, year-end financial statements for the latest completed fiscal year, ended October 31, 1981.

ALTERNATIVE I

1. Sum of current closure cost estimates:	\$ 431,335.00
*2. Total Liabilities	514,891,000.00
*3. Tangible Net Worth	302,210,000.00
*4. Net Worth	345,459,000.00
*5. Current Assets	619,531,000.00
*6. Current Liabilities	380,859,000.00
7. Net Working Capital	238,672,000.00
*8. The Sum of Net Income Plus Depletion, and Amortization	89,248,000.00
*9. Total Assets in U.S.	700,100,000.00

	YES	NO
10. Is line 3 at least \$10 million? _____	X	
11. Is line 3 at least 6 times line 1? _____	X	
12. Is line 7 at least 6 times line 1? _____	X	
*13. Are at least 90% of firm's assets located in the U.S.? (If not, complete Line 14) _____		X
14. Is line 9 at least 6 times line 1? _____	X	
15. Is line 2 divided by line 4 less than 2.0? _____	X	
16. Is line 8 divided by line 2 greater than 0.1? _____	X	
17. Is line 5 divided by line 6 greater than 1.5? _____	X	

I hereby certify that the wording of this letter is identical to the wording specified in 40 CFR 264.151(f) as such regulations were constituted on the date shown immediately below.


 HARRY S. DERBYSHIRE
 Executive Vice President and
 Chief Financial Officer
 June __, 1982

Ernst & Whinney

515 S. Flower Street
Los Angeles, California 90071

213/621-1666

Whittaker Corporation
10880 Wilshire Boulevard
Los Angeles, California 90024

(1) We have compared the data included in the letter dated June 23, 1982, from Harry Derbyshire, Chief Financial Officer of Whittaker Corporation to the Environmental Protection Agency, which Harry Derbyshire specifies is derived from the independently audited consolidated balance sheet of Whittaker Corporation and consolidated subsidiaries as of October 31, 1981, and the related consolidated statements of income, stockholders' equity and changes in financial position for the year then ended, with the amounts contained in such financial statements; and

(2) In connection with the foregoing procedure, no matters came to our attention which caused us to believe that the data specified in the letter dated June 23, 1982 should be adjusted.

Ernst & Whinney

ERNST & WHINNEY

Los Angeles, California
June 25, 1982

ANNUAL REPORT

- A) EPA identification number: CAD 064573108
Bermite Division, Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
- B) Calendar year covered by this report: 3/1/83 thru 2/29/84
- C) See attached copy.
- D) See attached copy.
- E) Monitoring date when required: None required.
- F) The most recent closure cost estimate is attached in Appendix A.
- G) I certify that I have personally examined and I am familiar with the information submitted in this and all attached documents. I believe that the submitted information is true, accurate and complete.



Thomas J. Bloom
Manager, Environmental Health and Safety



Loyd R. Luce
Vice President, Human Resources

C and D

<u>WASTE</u>	<u>QUANTITY</u>	<u>TREATMENT</u>	<u>STORAGE</u>	<u>DISPOSAL</u>
Unspecified oil containing waste	5,000 gallons	None	Drum	Class I Land fill
Ammonium perchlorate, water, aluminum oxide, lead salts	10,000 gallons	Neutralization/ dilution	Tank	Class I Land fill
Water, sodium carbonate, lead carbonate, sodium chloride, aluminum oxide	5,500 gallons	Neutralization	Tank	Class I Land fill
Red phosphorus, spent sulfuric acid, water	40,000 gallons	None	Lagoon	Class I Land fill
Ammonium perchlorate, water, methylene chloride	105,000 gallons	Dilution	Lagoon	Class I Land fill
N-29 propellant Components are Government (Proprietary) Classified information in percentages	38,406 lbs.	Thermal	Service Magazine	China Lake Naval Weapons Center

APPENDIX A

STATEMENT OF FINANCIAL RESPONSIBILITY

BERMITE

Bermite Division
Whittaker Corporation
22116 West Soledad Canyon Road
Saugus, California 91350
213/629-1403 805/259-2241
Telex 651436

Whittaker

March 29, 1983

Thomas C. Jones, Acting Chief
Permits, Surveillance and Enforcement Section
Hazardous Waste Management Branch
714 P. Street, Room 550
Sacramento, Ca. 95814

Dear Mr. Jones:

Attached is written evidence demonstrating sufficient financial resources to cover the closing of Bermite, should such an eventuality occur, in accordance with our closure plan.

Very truly yours,



Zoyl R. Luce, Vice President
Human Resources

cc: John A. Hinton, P. E.
Regional Administrator, Southern Region
Permits, Surveillance and Enforcement Section
Hazardous Waste Management Branch
Department of Health Services
107 South Broadway, Room 7128
Los Angeles, Ca. 90012

Ernst & Whinney

515 S. Flower Street
Los Angeles, California 90071

213/621-1666

Whittaker Corporation
10880 Wilshire Boulevard
Los Angeles, California 90024

(1) We have compared the data included in the letter dated June 23, 1982, from Harry Derbyshire, Chief Financial Officer of Whittaker Corporation to the Environmental Protection Agency, which Harry Derbyshire specifies is derived from the independently audited consolidated balance sheet of Whittaker Corporation and consolidated subsidiaries as of October 31, 1981, and the related consolidated statements of income, stockholders' equity and changes in financial position for the year then ended, with the amounts contained in such financial statements; and

(2) In connection with the foregoing procedure, no matters came to our attention which caused us to believe that the data specified in the letter dated June 23, 1982 should be adjusted.

Ernst & Whinney

ERNST & WHINNEY

Los Angeles, California
June 25, 1982



Legal Department
Whittaker Corporation
10880 Wilshire Boulevard
Los Angeles, California 90024
213/475-9411

File Number _____

June 23, 1982

Regional Administrator Environmental
Protection Agency

Region 1
John F. Kennedy Building
Boston, Massachusetts 02203

Re: Closure Cost Estimates for Facilities
with Hazardous Waste

Gentlemen:

I am the chief financial officer of Whittaker Corporation, located at 10880 Wilshire Boulevard, Los Angeles, California. This letter is in support of this firm's use of the financial test to demonstrate financial assurance, as specified in Subpart H of 40 CFR Parts 264 and 265.

1. This corporation is the owner or operator of the following facilities for which financial assurance for closure or post-closure care is demonstrated through the financial test specified in Subpart H of 40 CFR Parts 264 and 265. The current closure and/or post-closure cost estimates covered by the test are shown for each facility:

- (1) Haynes Division
Massachusetts Industrial Park
Chicopee, Massachusetts 01020
EPA Identification No.: MAD001113802
Closure Cost Estimate: \$11,000.00
- (2) Providence Division
King Philip Road
East Providence, Rhode Island 02914
EPA Identification No.: RID093214641
Closure Cost Estimate: \$13,335.00
- (3) Colton Coatings and Chemicals
1231 South Lincoln Street
Colton, California 92324
EPA Identification No.: CAD 044331999
Closure Cost Estimate: \$20,000.00

- (4) Los Angeles Chemicals Division
(RAM)
210 East Alondra
Gardena, California 90248
EPA Identification No.: CAD 071911051
Closure Cost Estimate: \$12,000.00
- (5) Bauer Division
1021 North Mission Road
Los Angeles, California 90033
EPA Identification No.: CAD 083024141
Closure Cost Estimate: \$20,000.00
- (6) Decatur Division
Decatur Industrial Park
Decatur, Alabama 35602
EPA Identification No.: ALD 053360897
Closure Cost Estimate: \$12,000.00
- (7) Dayton Division
10 S. Electric Street
West Alexandria, Ohio 45381
EPA Identification No.: OHD 045566098
Closure Cost Estimate: \$11,000.00
- (8) Batavia Division
1500 Lathem Street
Batavia, Illinois 60510
EPA Identification No.: ILD 095309647
Closure Estimate: \$25,000.00
- (9) Wooster Division
Spruce Street Extension
Wooster, Ohio 44691
EPA Identification No.: OHD054666284
Closure Cost Estimate: \$14,500.00
- (10) North Brunswick Division
1430 Jersey Avenue
North Brunswick, New Jersey 08902
EPA Identification No.: NJD091394437
Closure Cost Estimate: \$16,500.00
- (11) Trojan Yacht Division
Old Field Point Road
Elkton, Maryland 21921
EPA Identification No.: MDD059172221
Closure Cost Estimate: \$20,000.00

(12) Trojan Yacht Division
167 Greenfield Road
Lancaster, Pennsylvania 17603
EPA Identification No.: PAD052922556
Closure Cost Estimate: \$20,000.00

(13) Bermite Division
22116 West Soledad Canyon Road
Saugus, California 91350
EPA Identification No.: CAD 064573108
Closure Cost Estimate: \$235,000.00
Revised Closure Cost Estimate: \$345,000.00 *7-22-84*

2. This firm guarantees, through the corporate guarantee specified in Subpart H of 40 CFR Parts 264 and 265 the closure or post-closure care of the following facilities owned or operated by subsidiaries of this corporation. The current cost estimates for the closure or post-closure care so guaranteed are shown for each facility:

Whittaker General Scientific a division
of Whittaker General Medical Corporation
8741 Landmark Road
Richmond, VA 23228
EPA Identification No.: EAD 00766113
Current Closure Cost Estimate: \$1,000.00

3. In States where EPA is not administering the financial requirements of Subpart H of 40 CFR Parts 264 and 265, this firm, as owner or operator or guarantor, is demonstrating financial assurance for the closure or post-closure care of the following facilities through the use of a test equivalent or substantially equivalent to the financial test specified in Subpart H of 40 CFR Parts 264 and 265. The current closure and/or post-closure cost estimates covered by such a test are shown for each facility:
NONE.

4. This firm is the owner or operator of the following hazardous waste management facilities for which financial assurance for closure or, if a disposal facility, post-closure care, is not demonstrated either to EPA or a State through the financial test or any other financial assurance mechanism specified in Subpart H of 40 CFR Parts 264 and 265 or equivalent or substantially equivalent State mechanisms. The current closure and/or post-closure cost estimates not covered by such financial assurance are shown for each facility: NONE.

This firm is required to file a Form 10K with the Securities and Exchange Commission (SEC) for the latest fiscal year.

The fiscal year of this firm ends on October -31. The figures for the following items marked with an asterisk are derived from this firm's independently audited, year-end financial statements for the latest completed fiscal year, ended October 31, 1981.

ALTERNATIVE I

1. Sum of current closure cost estimates:	\$ 431,335.00
*2. Total Liabilities	514,891,000.00
*3. Tangible Net Worth	302,210,000.00
*4. Net Worth	345,459,000.00
*5. Current Assets	619,531,000.00
*6. Current Liabilities	380,859,000.00
7. Net Working Capital	238,672,000.00
*8. The Sum of Net Income Plus Depletion, and Amortization	89,248,000.00
*9. Total Assets in U.S.	700,100,000.00